

IAP Cover Sheet

Version Name: Period 2

Incident Name: 2nd 80's Fire

Period: Period 2 [03/24/2019 07:00 - 03/25/2019 07:00]

Approved By

Federal OSC:

State OSC:

Local OSC:

Incident Commander:

Incident Action Plan

Notes

Period 2 IAP

DJI_0007.JPG



Incident Name: 2nd 80's Fire

Period: Period 2 [03/24/2019 07:00 - 03/25/2019 07:00]

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Incident Action Plan

Notes

Period 2 IAP

DJI_0007.JPG









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Incident Name: 2nd 80's Fire

Period: Period 2 [03/24/19 07:00 - 03/25/19 07:00]
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Weather Report				Version Name: 20190323_19:30			
Incident Name: 2nd 80's Fire				Period: Period 2 [03/24/2019 07:00 - 03/25/2019 07:00]			
Present Conditions							
Weather Conditions as of 03/23/2019 19:30							
deer park station id: MID_UR113							
Temperature: 65° Fahrenheit				Feels Like: 65° Fahrenheit			
Wind Speed: mph				Dew Point: ° Fahrenheit			
Wind Direction (from):				Pressure: psi			
Visibility: mile(s)				UV Index:			
Humidity (%):				Sunrise: 07:19			
: Mostly Cloudy				Sunset: 19:33			
: Mostly Cloudy							
Current Speed:				Wave Height: feet feet			
Current Direction (to):				Wave Direction:			
Water Temperature: ° Fahrenheit				Swell Interval: day(s) feet			
Forecast Date							
Sat 03/23/2019		Partly Cloudy with Isolated Showers				Partly Cloudy	
		Chance of Precipitation(%): 12% Wind: 10 mph 75 F				Chance of Precipitation(%): 9% Wind: 7 mph 62 F	
Sun 03/24/2019		Partly Cloudy with Isolated Showers				Partly Cloudy with Isolated Showers	
		Chance of Precipitation(%): 14% Wind: 11 mph 77 F				Chance of Precipitation(%): 19% Wind: 7 mph 64 F	
Mon 03/25/2019		Partly Cloudy with Isolated Storms				Partly Cloudy	
		Chance of Precipitation(%): 30% Wind: 3 mph 77 F				Chance of Precipitation(%): 9% Wind: 4 mph 58 F	
Tides							
	Tide	Height	UOM	Time	Tide Station Location		
Sun 03/24/2019	Low	0.165	feet	06:18	Lynchburg Landing, San Jacinto River, Tx Us		
	High	1.395	feet	13:50	Lynchburg Landing, San Jacinto River, Tx Us		
	Low	0.991	feet	19:31	Lynchburg Landing, San Jacinto River, Tx Us		
	High	1.049	feet	22:39	Lynchburg Landing, San Jacinto River, Tx Us		
Mon 03/25/2019	Low	0.097	feet	07:02	Lynchburg Landing, San Jacinto River, Tx Us		
	High	1.43	feet	15:24	Lynchburg Landing, San Jacinto River, Tx Us		
Weather Report				Prepared By Planning, Updated 03/23/2019 20:35 UTC -6:00 PP			
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Weather Report					Version Name: 20190323_19:30
Incident Name: 2nd 80's Fire					Period: Period 2 [03/24/2019 07:00 - 03/25/2019 07:00]
Tue 03/26/2019	Low	0.095	feet	07:51	Lynchburg Landing, San Jacinto River, Tx Us
	High	1.467	feet	16:47	Lynchburg Landing, San Jacinto River, Tx Us



Deer Park Response Spot Weather Forecast

Time/Date: 3/23/2019 6:39 PM

Forecaster: Sean Luchs and Josh Lichter

Forecast Overview:







- Tonight: Southeast winds 10-15 mph diminishing to around 5-10 mph mid-late evening.
- Sunday: South winds 5-10mph in the morning increasing to 10-15mph late morning. Isolated showers/sprinkles possible. Patchy sea fog Sunday night.

Weather Concerns Monday/Tuesday:

- Patchy sea fog Monday morning.
- Rain chances increasing along with a threat for isolated lightning Monday afternoon and evening. A cold front will move through the area late Monday afternoon or evening. Winds expected to turn northerly in the wake of the front and become gusty.

Next update: Next planned update will be around 1 am. Unless circumstances change, updates every 6 hours are expected.

General Forecast for the ITC location ([click here for latest updates](#)):

Tonight	Sunday	Sunday Night	Monday	Monday Night	Tuesday
					
Mostly Cloudy	Partly Sunny then Slight Chance Light Rain Showers	Mostly Cloudy then Slight Chance Showers and Patchy Fog	Isolated T-storms then Scattered Showers	Partly Cloudy	Sunny
Low: 61 °F	High: 76 °F	Low: 63 °F	High: 77 °F	Low: 57 °F	High: 73 °F

Sunset Saturday: 7:34 PM CDT

Sunrise Sunday: 7:19 AM CDT

Sunset Sunday: 7:35 PM CDT



Deer Park Response

Spot Weather Forecast

Hourly Spot Forecast for the ITC location (click here for latest updates):

Date	03/23							03/24																	
Hour (CDT)	19	20	21	22	23	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	
Temperature (°F)	67	66	65	65	65	64	64	64	64	64	63	63	63	64	67	69	71	73	74	75	75	76	75	74	
Dewpoint (°F)	59	59	59	60	60	60	60	60	60	61	60	61	61	62	63	64	63	63	63	63	63	63	63	63	
Surface Wind (mph)	10	10	9	9	8	7	7	6	6	6	5	5	5	5	6	9	10	11	13	14	14	14	14	13	
Wind Dir	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	S	S	S	S	S	S	S	S	S	S	
Gust																									
Sky Cover (%)	57	57	61	49	49	48	48	48	48	48	51	57	61	63	64	66	69	72	74	74	71	67	62	57	
Precipitation Potential (%)	4	4	4	1	1	1	2	2	2	3	3	3	12	12	12	12	12	12	12	12	12	13	13	13	
Relative Humidity (%)	75	78	81	84	84	87	87	87	87	90	90	93	93	93	87	84	76	71	69	66	66	64	66	69	
Rain	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	SChc	SChc	SChc	SChc	SChc	SChc	
Thunder	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
Fog	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
Mixing Height (x100ft)	17	13	9	7	5	4	4	4	4	4	2	2	2	6	11	15	18	21	22	24	24	24	23	22	
Transport Wind (mph)	20	22	23	24	24	25	24	24	23	21	20	18	17	17	17	16	16	16	16	16	16	16	16	16	
Transport Wind Dir	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	SW	S	S	

Date	03/25																							
Hour (CDT)	19	20	21	22	23	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18
Temperature (°F)	73	70	69	68	67	67	67	66	66	66	65	65	65	66	67	68	70	72	74	75	76	76	76	75
Dewpoint (°F)	63	63	64	64	63	64	64	64	64	64	64	64	64	64	64	64	64	63	63	63	63	62	62	62
Surface Wind (mph)	11	9	9	8	7	7	6	6	5	5	3	2	2	2	3	3	3	3	3	3	3	3	2	2
Wind Dir	S	S	S	S	S	S	S	S	S	S	SW	SW	SW	SW	SW	SW	SW	W	W	W	W	W	NW	NW
Gust																								
Sky Cover (%)	54	54	56	58	58	57	35	39	30	24	19	16	14	13	14	15	17	20	23	28	34	40	46	50
Precipitation Potential (%)	6	6	6	6	6	6	16	16	16	16	16	16	29	29	29	29	29	29	30	30	30	30	30	30
Relative Humidity (%)	71	78	84	87	87	90	90	93	93	93	97	97	97	93	90	87	81	73	69	66	64	62	62	64
Rain	--	--	--	--	--	--	SChc	SChc	SChc	SChc	SChc	SChc	SChc	SChc	SChc	SChc	SChc	SChc	Che	Che	Che	Che	Che	Che
Thunder	--	--	--	--	--	--	--	--	--	--	--	--	--	--	SChc	SChc	SChc	SChc	SChc	SChc	SChc	SChc	SChc	SChc
Fog	--	--	--	--	--	--	Patchy	Patchy	Patchy	Patchy	Patchy	Patchy	--	--	--	--	--	--	--	--	--	--	--	--
Mixing Height (x100ft)	20	18	15	13	10	8	6	5	4	4	5	5	5	6	9	14	23	33	42	50	53	45	37	26
Transport Wind (mph)	16	17	18	18	20	18	17	17	16	14	13	13	10	9	9	8	7	6	5	5	6	6	6	6
Transport Wind Dir	S	S	S	S	S	S	S	SW	SW	SW	SW	SW	SW	SW	W	W	W	W	W	NW	NW	NW	NW	NW



Deer Park Response Spot Weather Forecast

[Galveston Bay Forecast \(click for the latest updates\):](#)

Tonight: Southeast winds 10 to 15 knots diminishing to 5 to 10 knots late. Bay waters slightly choppy.

Sunday: South winds near 10 knots. Bay waters smooth to slightly choppy. A slight chance of showers in the late morning and afternoon.

Sunday Night: South winds 5 to 10 knots. Bay waters smooth. Patchy fog in the late evening and overnight. A slight chance of showers after midnight.

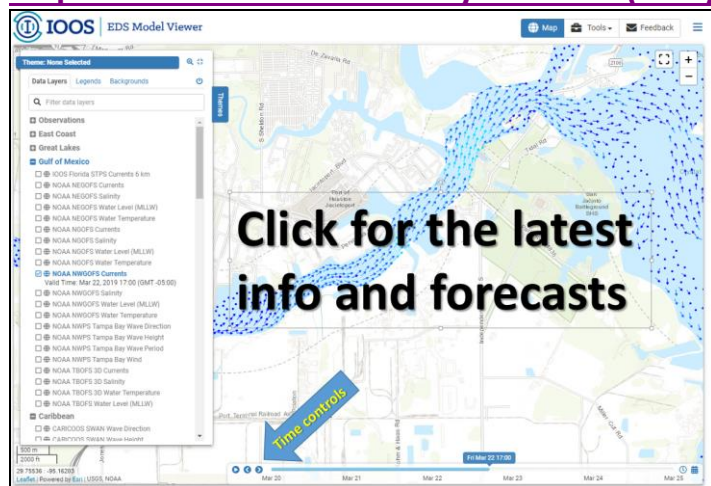
Monday: South winds 5 to 10 knots. Bay waters smooth. Isolated showers in the morning. Isolated thunderstorms. Scattered showers in the afternoon.

[Lynchburg Landing Tides \(click for more\):](#)

3/23/2019	Sat	10:57 PM	High
3/24/2019	Sun	6:18 AM	Low
3/24/2019	Sun	1:50 PM	High
3/24/2019	Sun	7:31 PM	Low
3/24/2019	Sun	10:39 PM	High

Tides/water levels will be running near normal levels through the weekend.

[Ship Channel & Galveston Bay Currents \(click\):](#)



Latest Water Temperature: 68°



Deer Park Response Spot Weather Forecast

Aviation (click here for latest nearby TAFS):

Terminal Aerodrome Forecasts are updated often! Please click the link below before making flying decisions:

KHOU - Houston/Hobby Arpt, TX, US

Issued at 2320 UTC 23 Mar 2019

Updated at 2322 UTC 23 Mar 2019

Potential Impact None **Slight** Moderate High

Time	2253Z	24/00Z	24/01Z	24/02Z	24/03Z	24/04Z	24/05Z	24/06Z	24/07Z	24/08Z	24/09Z	24/10Z	24/11Z	24/12Z	>>
Type	OBS	PRVL	PRVL	PRVL	PRVL	PRVL	PRVL	PRVL	PRVL	PRVL	PRVL	PRVL	PRVL	PRVL	
VIS	10	>6	>6	>6	>6	>6	>6	>6	>6	>6	>6	>6	>6	>6	
CIG	85	80	250	250	250	250	250	--	--	--	--	--	--	--	
Cover	BKN	BKN	BKN	BKN	BKN	BKN	BKN	SCT	SCT	SCT	SCT	SCT	SCT	SCT	
FltCat	VFR	VFR	VFR	VFR	VFR	VFR	VFR	VFR	VFR	VFR	VFR	VFR	VFR	VFR	
WX	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
WDir	140	140	140	140	140	140	140	150	150	150	150	150	150	150	
WSpd	14	13	10	10	10	10	10	6	6	6	6	6	6	6	
WGst	--	--	--	--	--	--	--	--	--	--	--	--	--	--	

KHOU 232320Z 2400/2424 14013KT P6SM FEW018 SCT030 BKN080

FM240100 14010KT P6SM SCT050 BKN250

FM240600 15006KT P6SM SCT020

FM241400 17005KT P6SM BKN020

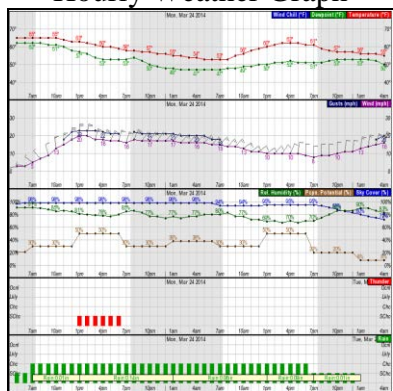
FM241700 18012KT P6SM SCT025 BKN035



Deer Park Response Spot Weather Forecast

Links for the latest updates (clickable):

Hourly Weather Graph

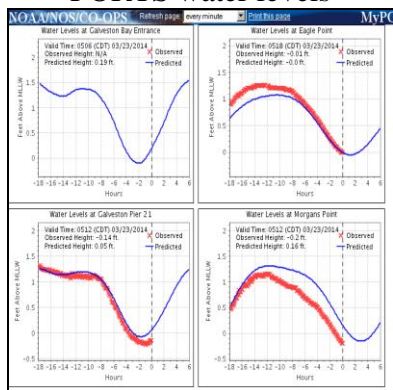


Forecast Discussion & Reasoning

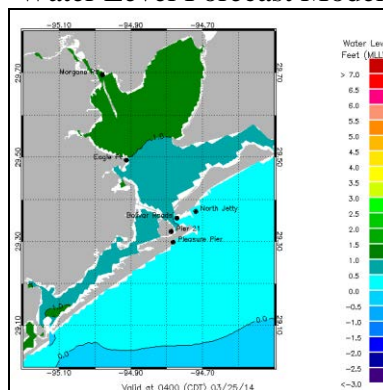


Water Levels (clickable):

PORTS water levels

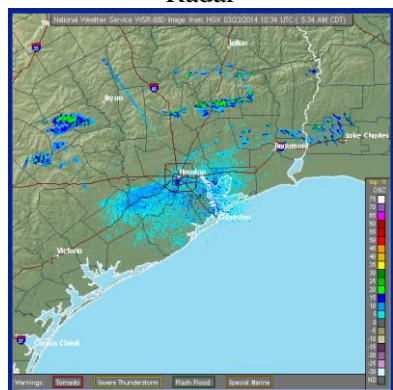


Water Level Forecast Model

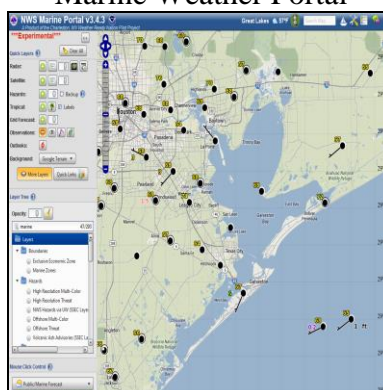


Other helpful links (clickable):

Radar



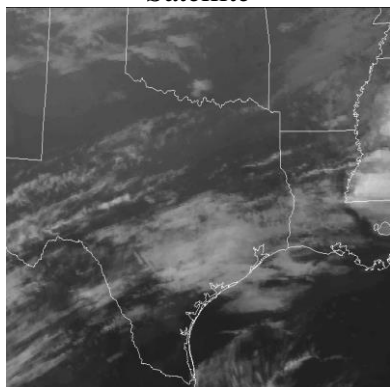
Marine Weather Portal



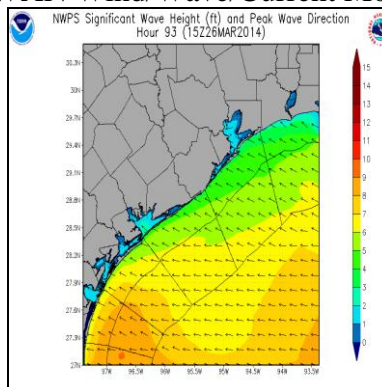


Deer Park Response Spot Weather Forecast

Satellite

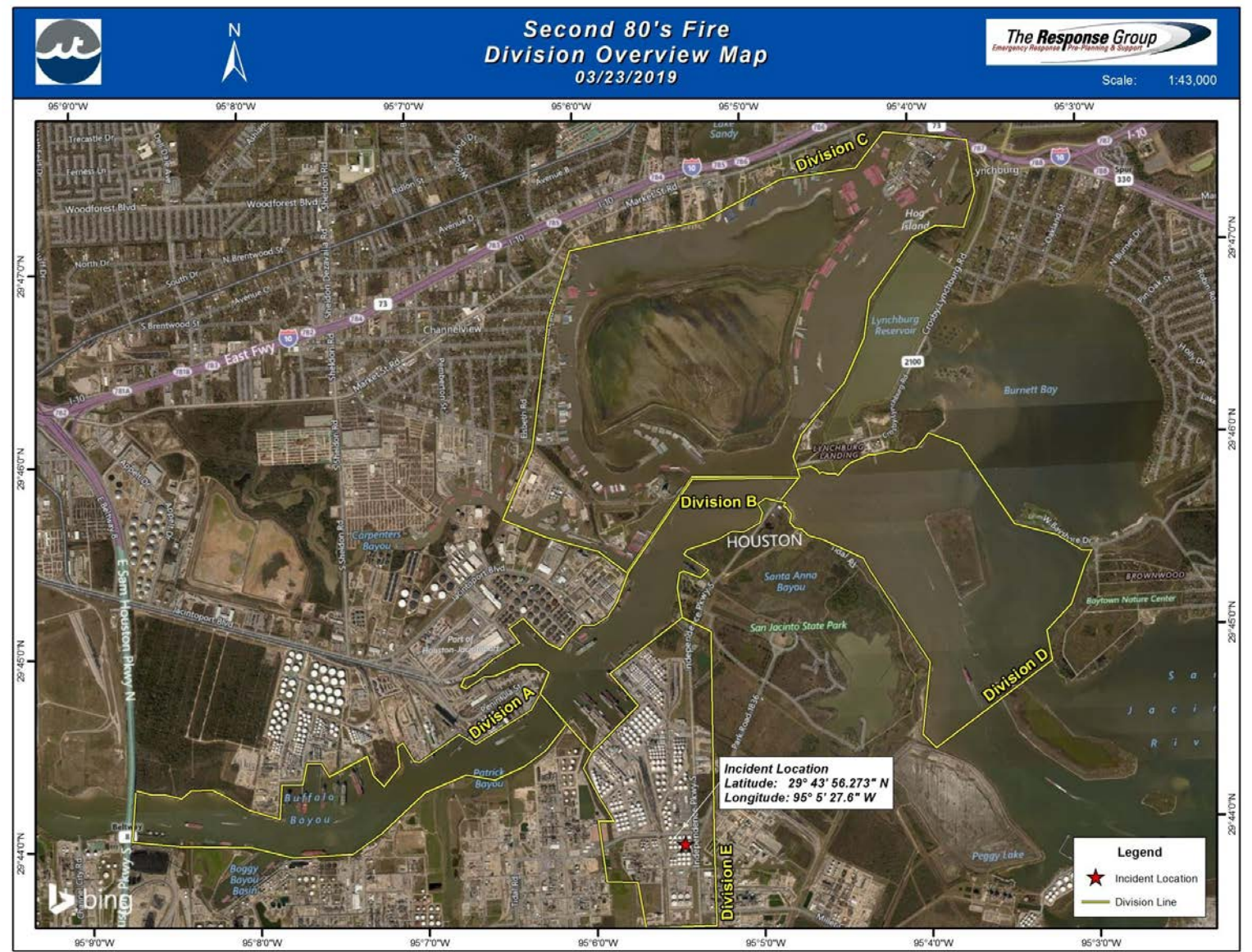


SWAN Wind/Wave/Current Model



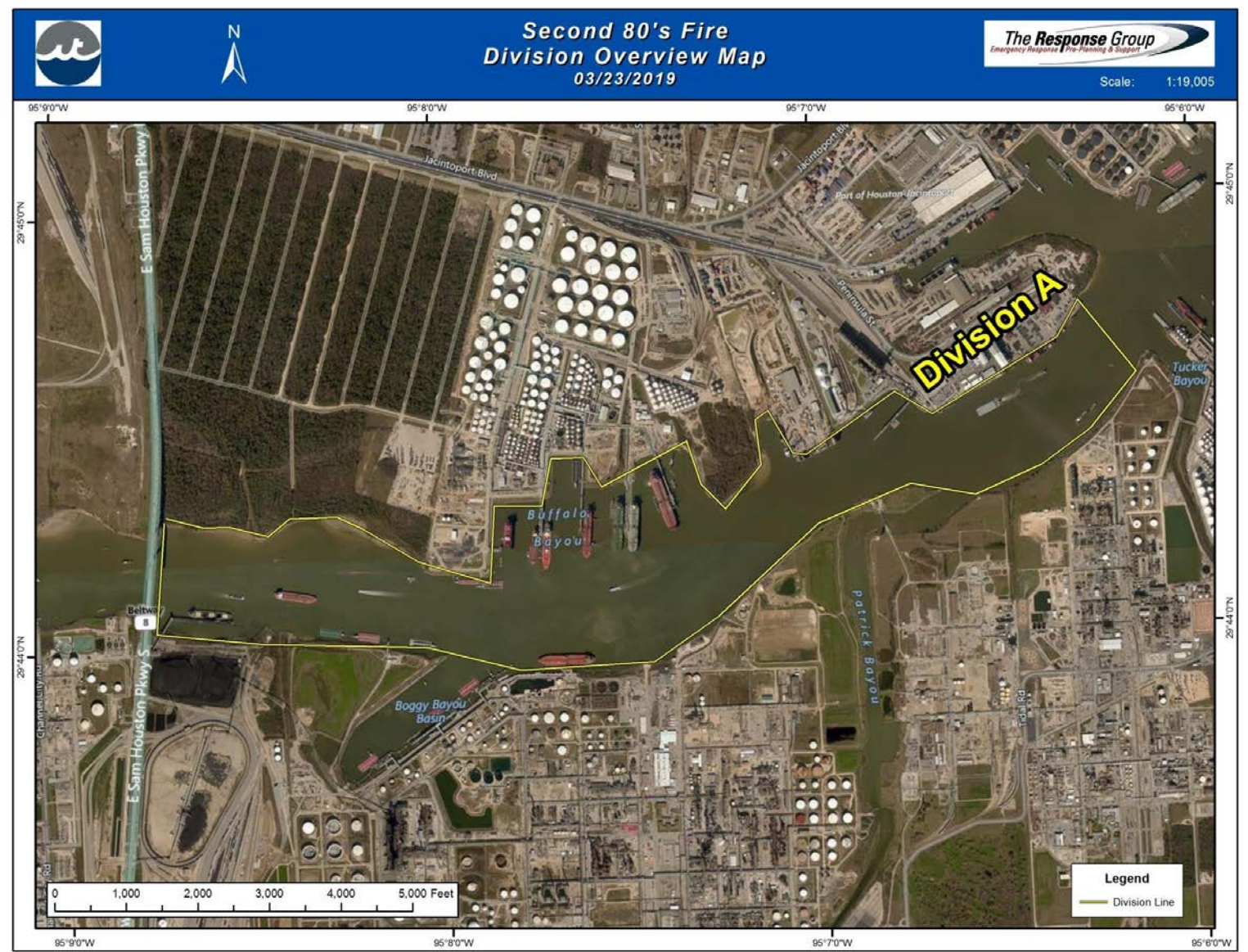
Incident Map/Sketch

20190323 Division Overview Map



Incident Map/Sketch

20190323 Division A Map



Incident Map/Sketch

20190323 Division B Map



Incident Map/Sketch

20190323 Division C Map



Incident Map/Sketch

20190323 Division D Map



ICS 202 - Incident Objectives		Version Name: Period 2	
Incident Name: 2nd 80's Fire		Period: Period 2 [03/24/2019 07:00 - 03/25/2019 07:00]	
Objective(s)			
Ensure the Safety of the Public and Response Personnel			
Maximize the protection of public health and welfare			
Maintain fire suppression activities to prevent reignition and suppress vapor.			
Conduct damage/stability assessment			
Develop and implement a water and product removal plan			
Minimize further release of product from the facility			
Maximize Protection of Environmentally and Socially Sensitive Areas			
Contain and Recover Spilled Material			
Prevent further impacts to maritime transportation			
Ensure Port Recovery and Restoration			
Keep the public, stakeholders and the media informed of response activities			
Operational Period Command Emphasis (Safety Message, Priorities, Key Decisions/Directions)			
Safety is the number one priority. All responders have "Stop Work Authority." Report any unsafe acts or situation to your supervisor immediately.			
ICS 202 - Incident Objectives		Prepared By Planning Section, Updated 03/23/2019 21:35 UTC -6: PP	
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ICS 204 - Assignment List			Group: Protection Group	
Incident Name: 2nd 80's Fire			Period: Period 2 [03/24/2019 07:00 - 03/25/2019 07:00]	
Operations Personnel				
Position	Name	Affiliation	Contact Number(s)	Work Shift
Deputy Operations Section Chief	Burditt, John	ITC	832-240-6440	Day Shift
Deputy Operations Section Chief	Cadena, Hector	ITC	281-884-0380	Night Shift
Operations Section Chief	Kuhn, Karl	ITC	713-208-5583	Day Shift
Operations Section Chief	Young, Kevin	ITC	281-786-9383	Night Shift
Protection Group Supervisor	Baquet, Gerry	ITC	281-513-5469	Day Shift
Resources Required				
Area Of Operation	Resource Kind	Description	Quantity	Size
Protection Group	Manpower: Responder	Manpower: Responder	30	
Protection Group	Boom	Boom	10000	
Protection Group	Safety Personnel	Air Monitoring Personnel	3	
Assignments				
<p>Task Forces (TF) 30-40:</p> <p>Each TF will consist of 1 work boat, 3 personnel, 1000' boom plus additional anchors and line spools.</p> <p>Maintain boom to protect water intakes and environmentally sensitive areas in coordination with Group Supervisor and Environmental Unit Leader. Deploy additional GRPs as needed.</p> <p>GRP Sites:</p> <p>Division E: 54-A Tucker Bayou Water Intake 4053</p> <p>Division A: 54-B Patrick Bayou 54-C Drainage Ditch</p> <p>Division B: 40-J Carpenters Bayou 40-K Battleship 40-I Entrance to Old River</p> <p>Division C: 40-L Entrance to San Jacinto River 40-F San Jacinto River Marsh 40-G Burnet Bay Marsh</p> <p>Division D: 40-M Baytown Nature Center 54-D San Jacinto Battleground State Park 54-N Baytown Nature Center TPW-1 St. Mary's Beach</p> <p>Deploy additional GRPs as needed.</p>				
Communications				
Name / Function		Contact Details		
Ch. 15 Operations/Safety/IC				
ICS 204 - Assignment List		Prepared By Operations, Updated 03/23/2019 22:38 UTC -6:00 PP		
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ICS 204 - Assignment List		Group: Protection Group	
Incident Name: 2nd 80's Fire		Period: Period 2 [03/24/2019 07:00 - 03/25/2019 07:00]	
Communications			
Name / Function		Contact Details	
Marine - USCG OPS / Tactical		Marine - USCG OPS 81A	
Marine - Hailing and Emergency / All		Marine - Hailing and Emergency 16	
Marine - OMI-On-water OPS / Tactical		Marine - OMI-On-water OPS 67	
Operations/Safety/Incident Command / Operations		Operations/Safety/Incident Command 15	
Special Equipment / Supplies Needed for Assignment			
Line Spools, 50 Anchors			
Special Environmental Considerations			
Report any oiled wildlife, or wildlife in foam to the Environmental Unit Lead. Please take photo, and document location - DO NOT APPROACH			
Avoid vessel collisions with wildlife			
Avoid walking or grounding vessels in marsh areas			
Special Site-Specific Safety Considerations			
Watch pinch points. Use proper lifting techniques and team lift when appropriate. Maintain awareness of walking surfaces to prevent slips trips and falls. Maintain walking surface awareness to prevent slips, trips and falls. Don PFD's when working within 3 ft of the waters edge, open water or onboard a vessel.			
Wear appropriate PPE, communicate any unsafe situations to supervisor. Utilize stop work authority if necessary. Nobody gets hurt.			
Ensure all personnel are equipped with Benzene detection. If Benzene is detected at levels higher than action level, evacuate the area, report to supervisor and Mike Gaudet (281-787-8256). If available don appropriate PPE prior reentry.			
ICS 204 - Assignment List		Prepared By Operations, Updated 03/23/2019 22:38 UTC -6:00 PP	
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Group: Protection Group

Period: Period 2 [03/24/2019 07:00 - 03/25/2019 07:00]

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ICS 204 - Assignment List			Group: Recovery Group	
Incident Name: 2nd 80's Fire			Period: Period 2 [03/24/2019 07:00 - 03/25/2019 07:00]	
Operations Personnel				
Position	Name	Affiliation	Contact Number(s)	Work Shift
Deputy Operations Section Chief	Burditt, John	ITC	832-240-6440	Day Shift
Deputy Operations Section Chief	Cadena, Hector	ITC	281-884-0380	Night Shift
Operations Section Chief	Kuhn, Karl	ITC	713-208-5583	Day Shift
Operations Section Chief	Young, Kevin	ITC	281-786-9383	Night Shift
Recovery Group Supervisor	Willis, Hunter	ITC	346-233-2879	Day Shift
Resources Required				
Area Of Operation	Resource Kind	Description	Quantity	Size
Recovery Group	Manpower: Responder	Manpower: Responder	60	
Recovery Group	Work Barge	Barge Boat	2	
Recovery Group	Skimming Vessel	Marco Skimmer	10	
Recovery Group	Skimmer	Foilex Skimmer	7	
Recovery Group	Barge: Offshore	Skimming Barge	3	
Recovery Group	Vessel	Skimming Vessel	2	
Assignments				
<p>Recovery Group will utilize the NRC Admiral and MSRC Texas Responder.</p> <p>Task Forces (TF) 1-19 Divisions A-D: In coordination with air operations, crews to conduct on water recovery operations using boom, vessels, skimmers and barges along the Ship Channel as necessary.</p> <p>TF 20 Division E: Crews to recover spilled material along Tucker Bayou and at the entrance to Buffalo Bayou using boom, sorbents, skimmers and vacuum trucks.</p>				
Communications				
Name / Function		Contact Details		
Ch. 15 Operations/Safety/IC				
Marine - USCG OPS / Tactical		Marine - USCG OPS 81A		
Marine - Hailing and Emergency / All		Marine - Hailing and Emergency 16		
Marine - OMI-On-water OPS / Tactical		Marine - OMI-On-water OPS 67		
Operations/Safety/Incident Command / Operations		Operations/Safety/Incident Command 15		
Special Equipment / Supplies Needed for Assignment				
10,000' of snare boom, 5,000' of sorbent boom				
Special Environmental Considerations				
<p>Report any oiled wildlife, or wildlife in foam to the Environmental Unit Lead. Please take photo, and document location - DO NOT APPROACH</p> <p>Avoid vessel collisions with wildlife</p> <p>Avoid walking or grounding vessels in marsh areas</p>				
ICS 204 - Assignment List			Prepared By Operations, Updated 03/23/2019 23:17 UTC -6:00 PP	
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ICS 204 - Assignment List		Group: Recovery Group	
Incident Name: 2nd 80's Fire		Period: Period 2 [03/24/2019 07:00 - 03/25/2019 07:00]	
<p align="center">Special Site-Specific Safety Considerations</p> <p>Watch pinch points. Use proper lifting techniques and team lift when appropriate. Maintain awareness of walking surfaces to prevent slips trips and falls. Maintain walking surface awareness to prevent slips, trips and falls. Don PFD's when working within 3 ft of the waters edge, open water or onboard a vessel.</p> <p>Wear appropriate PPE, communicate any unsafe situations to supervisor. Utilize stop work authority if necessary. Nobody gets hurt.</p> <p>Ensure all personnel are equipped with Benzene detection. If Benzene is detected at levels higher than action level, evacuate the area, report to supervisor and Mike Gaudet (281-787-8256). If available don appropriate PPE prior reentry.</p> <p>All equipment and personnel must be decontaminated prior to leaving the hot zone.</p>			
<div> <div>ICS 204 - Assignment List</div> <div>Prepared By Operations, Updated 03/23/2019 23:17 UTC -6:00 PP</div> </div>			
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ICS 204 - Assignment List			Group: On-Water Air Monitoring		
Incident Name: 2nd 80's Fire			Period: Period 2 [03/24/2019 07:00 - 03/25/2019 07:00]		
Operations Personnel					
Position	Name	Affiliation	Contact Number(s)	Work Shift	
Deputy Operations Section Chief	Burditt, John	ITC	832-240-6440	Day Shift	
Deputy Operations Section Chief	Cadena, Hector	ITC	281-884-0380	Night Shift	
Operations Section Chief	Kuhn, Karl	ITC	713-208-5583	Day Shift	
Operations Section Chief	Young, Kevin	ITC	281-786-9383	Night Shift	
On-Water Air Monitoring Supervisor	Lopez, Christopher	ITC	281-744-3490	Day Shift	
Resources Required					
Area Of Operation	Resource Kind	Description	Quantity	Size	
On-Water Air Monitoring	Vessel	Vessel	4		
On-Water Air Monitoring	Manpower: Responder	Manpower: Responder	12		
Assignments					
USCG Strike Team and OMI to conduct air monitoring throughout all divisions within the Ship Channel with the exception of Division E.					
Communications					
Name / Function		Contact Details			
Ch. 15 Operations/Safety/IC					
Marine - USCG OPS / Tactical		Marine - USCG OPS 81A			
Marine - Hailing and Emergency / All		Marine - Hailing and Emergency 16			
Marine - OMI-On-water OPS / Tactical		Marine - OMI-On-water OPS 67			
Operations/Safety/Incident Command / Operations		Operations/Safety/Incident Command 15			
ICS 204 - Assignment List			Updated 03/23/2019 19:36 UTC -6:00		
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ICS 204 - Assignment List			Group: Mobile Decon Group	
Incident Name: 2nd 80's Fire			Period: Period 2 [03/24/2019 07:00 - 03/25/2019 07:00]	
Operations Personnel				
Position	Name	Affiliation	Contact Number(s)	Work Shift
Deputy Operations Section Chief	Burditt, John	ITC	832-240-6440	Day Shift
Deputy Operations Section Chief	Cadena, Hector	ITC	281-884-0380	Night Shift
Operations Section Chief	Kuhn, Karl	ITC	713-208-5583	Day Shift
Operations Section Chief	Young, Kevin	ITC	281-786-9383	Night Shift
Mobile Decon Group Supervisor	Larson, Alan	USCG	786-973-1225	Day Shift
Resources Required				
Area Of Operation	Resource Kind	Description	Quantity	Size
Mobile Decon Group	Boom	Boom	7200	
Mobile Decon Group	Manpower: Responder	Manpower: Responder	36	
Mobile Decon Group	Vessel	Barge Boat	8	
Mobile Decon Group	Hot Water Pressure Washer	Hot Water Pressure Washer	8	
Mobile Decon Group	Work Boat	Work Boat	4	
Mobile Decon Group	Sorbent: Boom	Sorbent: Boom	7500	
Assignments				
Conduct decon of all contaminated vessels leaving the affected area.				
All waste generated during equipment decontamination will be handled in accordance with Federal, State, and Local regulations.				
Communications				
Name / Function	Contact Details			
Ch. 15 Operations/Safety/IC				
Marine - USCG OPS / Tactical	Marine - USCG OPS 81A			
Marine - Hailing and Emergency / All	Marine - Hailing and Emergency 16			
Marine - OMI-On-water OPS / Tactical	Marine - OMI-On-water OPS 67			
Operations/Safety/Incident Command / Operations	Operations/Safety/Incident Command 15			
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ICS 204 - Assignment List			Task Force: Fire Water Containment TF	
Incident Name: 2nd 80's Fire			Period: Period 2 [03/24/2019 07:00 - 03/25/2019 07:00]	
Operations Personnel				
Position	Name	Affiliation	Contact Number(s)	Work Shift
Deputy Operations Section Chief	Burditt, John	ITC	832-240-6440	Day Shift
Deputy Operations Section Chief	Cadena, Hector	ITC	281-884-0380	Night Shift
Operations Section Chief	Kuhn, Karl	ITC	713-208-5583	Day Shift
Operations Section Chief	Young, Kevin	ITC	281-786-9383	Night Shift
Fire Suppression Group Supervisor	Williams, Dwight			Day Shift
Fire Suppression Group Supervisor	Guchiani, Corey			Night Shift
Fire Water Containment TF Leader	Walker, Derek	ITC	281-515-0751	Day Shift
Fire Water Containment TF Leader	Martin, Gene	ITC		
Resources Required				
Area Of Operation	Resource Kind	Description	Quantity	Size
Fire Water Containment TF	Manpower: Responder	Manpower: Responder	4	
Fire Water Containment TF	Manpower: Supervisor	Manpower: Supervisor	1	
Fire Water Containment TF	Pumps	Pumps	1	
Fire Water Containment TF	Vacuum Truck	Vacuum Truck	1	
Assignments				
Ensure all firewater/mix used in firefighting operations is contained and removed. Utilize vacuum trucks, pumps, suction hose, and manifold hose to pump water into tank 100-28.				
Maintain 2' of foam and mixture within the tank farm. Will adjust accordingly if rain should occur.				
Communications				
Name / Function		Contact Details		
ITC Trunking System / Command		ITC Trunking System Site 1 & 2		
Operations/Safety/Incident Command / Operations		Operations/Safety/Incident Command 15		
CIMA / Dispatch		CIMA 1		
East/South - CIMA / Tactical		East/South - CIMA 2		
North Div - CIMA / Tactical		North Div - CIMA 3		
West Div (Water Supply) - CIMA / Tactical		West Div (Water Supply) - CIMA 4		
Safety (IH) - CIMA / Tactical		Safety (IH) - CIMA 5		
Tactical Objectives				
Ensure all spilled material stays on site and in containment				
Special Environmental Considerations				
Report any oiled wildlife, or wildlife in foam to the Environmental Unit Lead. Please take photo, and document location - DO NOT APPROACH				
ICS 204 - Assignment List			Updated 03/23/2019 23:43 UTC -6:00	
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ICS 204 - Assignment List		Task Force: Fire Water Containment TF	
Incident Name: 2nd 80's Fire		Period: Period 2 [03/24/2019 07:00 - 03/25/2019 07:00]	
Special Site-Specific Safety Considerations			
<p>Keep clear of heavy equipment in operation. Watch pinch points. Utilize flagger/spotter if necessary.</p> <p>Wear appropriate PPE, communicate any unsafe situations to supervisor. Utilize stop work authority if necessary. Nobody gets hurt.</p> <p>Ensure all personnel are equipped with Benzene detection. If Benzene is detected at levels higher than action level, evacuate the area, report to supervisor and Mike Gaudet (281-787-8256). If available don appropriate PPE prior reentry.</p>			
ICS 204 - Assignment List		Updated 03/23/2019 23:43 UTC -6:00	
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ICS 204 - Assignment List			Task Force: Foam Application TF	
Incident Name: 2nd 80's Fire			Period: Period 2 [03/24/2019 07:00 - 03/25/2019 07:00]	
Operations Personnel				
Position	Name	Affiliation	Contact Number(s)	Work Shift
Deputy Operations Section Chief	Burditt, John	ITC	832-240-6440	Day Shift
Deputy Operations Section Chief	Cadena, Hector	ITC	281-884-0380	Night Shift
Operations Section Chief	Kuhn, Karl	ITC	713-208-5583	Day Shift
Operations Section Chief	Young, Kevin	ITC	281-786-9383	Night Shift
Fire Suppression Group Supervisor	Williams, Dwight			Day Shift
Fire Suppression Group Supervisor	Guchiani, Corey			Night Shift
Foam Application TF Leader	US Fire Pump			
Resources Required				
Area Of Operation	Resource Kind	Description	Quantity	Size
Foam Application TF	Manpower: Responder	Manpower: Responder	2	
Foam Application TF	Manpower: Supervisor	Manpower: Supervisor	1	
Foam Application TF	Fire Fighting Foam	Foam Totes	1000	
Foam Application TF	Fire Fighting Equipment	Foam Pumper	2	
Assignments				
Ensure continuous foam blanket is applied within the tank berm area to mitigate any re-ignition potential.				
Communications				
Name / Function		Contact Details		
ITC Trunking System / Command		ITC Trunking System Site 1 & 2		
Operations/Safety/Incident Command / Operations		Operations/Safety/Incident Command 15		
CIMA / Dispatch		CIMA 1		
East/South - CIMA / Tactical		East/South - CIMA 2		
North Div - CIMA / Tactical		North Div - CIMA 3		
West Div (Water Supply) - CIMA / Tactical		West Div (Water Supply) - CIMA 4		
Safety (IH) - CIMA / Tactical		Safety (IH) - CIMA 5		
Special Environmental Considerations				
Report any oiled wildlife, or wildlife in foam to the Environmental Unit Lead. Please take photo, and document location - DO NOT APPROACH				
Special Site-Specific Safety Considerations				
Keep clear of heavy equipment in operation. Watch pinch points. Utilize flagger/spotter if necessary. Use proper lifting techniques and team lift when appropriate. Maintain awareness of walking surfaces to prevent slips trips and falls.				
Wear appropriate PPE, communicate any unsafe situations to supervisor. Utilize stop work authority if necessary. Nobody gets hurt.				
Ensure all personnel are equipped with Benzene detection. If Benzene is detected at levels higher than action level, evacuate the area, report to supervisor and Mike Gaudet (281-787-8256). If available don appropriate PPE prior reentry.				
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ICS 204 - Assignment List			Group: Tank Farm Recovery Group	
Incident Name: 2nd 80's Fire			Period: Period 2 [03/24/2019 07:00 - 03/25/2019 07:00]	
Operations Personnel				
Position	Name	Affiliation	Contact Number(s)	Work Shift
Deputy Operations Section Chief	Burditt, John	ITC	832-240-6440	Day Shift
Deputy Operations Section Chief	Cadena, Hector	ITC	281-884-0380	Night Shift
Operations Section Chief	Kuhn, Karl	ITC	713-208-5583	Day Shift
Operations Section Chief	Young, Kevin	ITC	281-786-9383	Night Shift
Tank Farm Recovery Group Supervisor	Thomas, Harold	ITC	7138232543	Day Shift
Tank Farm Recovery Group Supervisor	Moses, Terry	ITC		
Resources Required				
Area Of Operation	Resource Kind	Description	Quantity	Size
Tank Farm Recovery Group	Pumps	SS MSP-300	3	
Tank Farm Recovery Group	Manpower: Responder	Manpower: Responder	8	
Tank Farm Recovery Group	Pumper truck	Pumper truck	1	
Tank Farm Recovery Group	Hose/Accessories	Hydraulic Hose (Baskets)	3	
Tank Farm Recovery Group	Hydraulic Power Unit	Hydraulic Power Unit	3	
Tank Farm Recovery Group	Miscellaneous	Lightering Tool Box	2	
Tank Farm Recovery Group	Equipment: Small	Tripods	2	
Assignments				
Conduct evacuation of remaining product from 2nd 80's tank farm starting with 80-7 into 80-18 using pumps/hose. Personnel will maintain readiness and be staged at hose connections during initial start up.				
Transfer pi gas and toluene from AST 80-13, 80-14 and 80-15 to receiving tanks and piping as directed by ITC / Unified Command. Pumping will be completed using stainless steel MSP-300 hydraulic submersible pumps with EX HPU's and stainless-steel discharge hoses.				
Communications				
Name / Function		Contact Details		
ITC Trunking System / Command		ITC Trunking System Site 1 & 2		
Operations/Safety/Incident Command / Operations		Operations/Safety/Incident Command 15		
CIMA / Dispatch		CIMA 1		
East/South - CIMA / Tactical		East/South - CIMA 2		
North Div - CIMA / Tactical		North Div - CIMA 3		
West Div (Water Supply) - CIMA / Tactical		West Div (Water Supply) - CIMA 4		
Safety (IH) - CIMA / Tactical		Safety (IH) - CIMA 5		
Tactical Objectives				
Ensure all spilled material stays on site and in containment				
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ICS 204 - Assignment List		Group: Tank Farm Recovery Group	
Incident Name: 2nd 80's Fire		Period: Period 2 [03/24/2019 07:00 - 03/25/2019 07:00]	
Special Equipment / Supplies Needed for Assignment			
6" Flange to 4: female cam lock Bolts for reducers Teflon Gaskets SCBAs Bunker Gear PPE - respirators, organic vapor cartridges, rubber boots, chem gloves, cascade systems/supplied-air systems, etc. Radios			
Special Environmental Considerations			
Report any oiled wildlife, or wildlife in foam to the Environmental Unit Lead. Please take photo, and document location - DO NOT APPROACH			
Special Site-Specific Safety Considerations			
<p>Continuous air monitoring will be conducted to direct use of respiratory protection for workers. PPE will include fire-resistant coveralls, chemical protective boots, chemical resistant gloves, hearing protection, eye protection, splash guards (as required), outer protective suits (as required), and respiratory protection. Respirators with organic vapor cartridges and supplied-air systems will be provided. Grounding/bonding of transfer system will be completed. Transfer operations will cease during lightning events. All personnel on-site have stop-work authority. A JSA will be completed prior to commencing transfer operations.</p> <p>Watch pinch points. Use proper lifting techniques and team lift when appropriate. Maintain awareness of walking surfaces to prevent slips trips and falls.</p> <p>Wear appropriate PPE, communicate any unsafe situations to supervisor. Utilize stop work authority if necessary. Nobody gets hurt.</p> <p>Ensure all personnel are equipped with Benzene detection. If Benzene is detected at levels higher than action level, evacuate the area, report to supervisor and Mike Gaudet (281-787-8256). If available don appropriate PPE prior reentry.</p> <p>All equipment and personnel must be decontaminated prior to leaving the hot zone.</p>			
Additional Information			
Pumping Crew Trevor Reed Mario Tovar Ricky Castillo Cory Lewis Rick Francis Additional personnel as required Robbie Dison: Safety Assistant On-Site Tom Noble: Project Management / Supervision Safety Director: Cody Wilson			
ICS 204 - Assignment List		Updated 03/23/2019 18:48 UTC -6:00	
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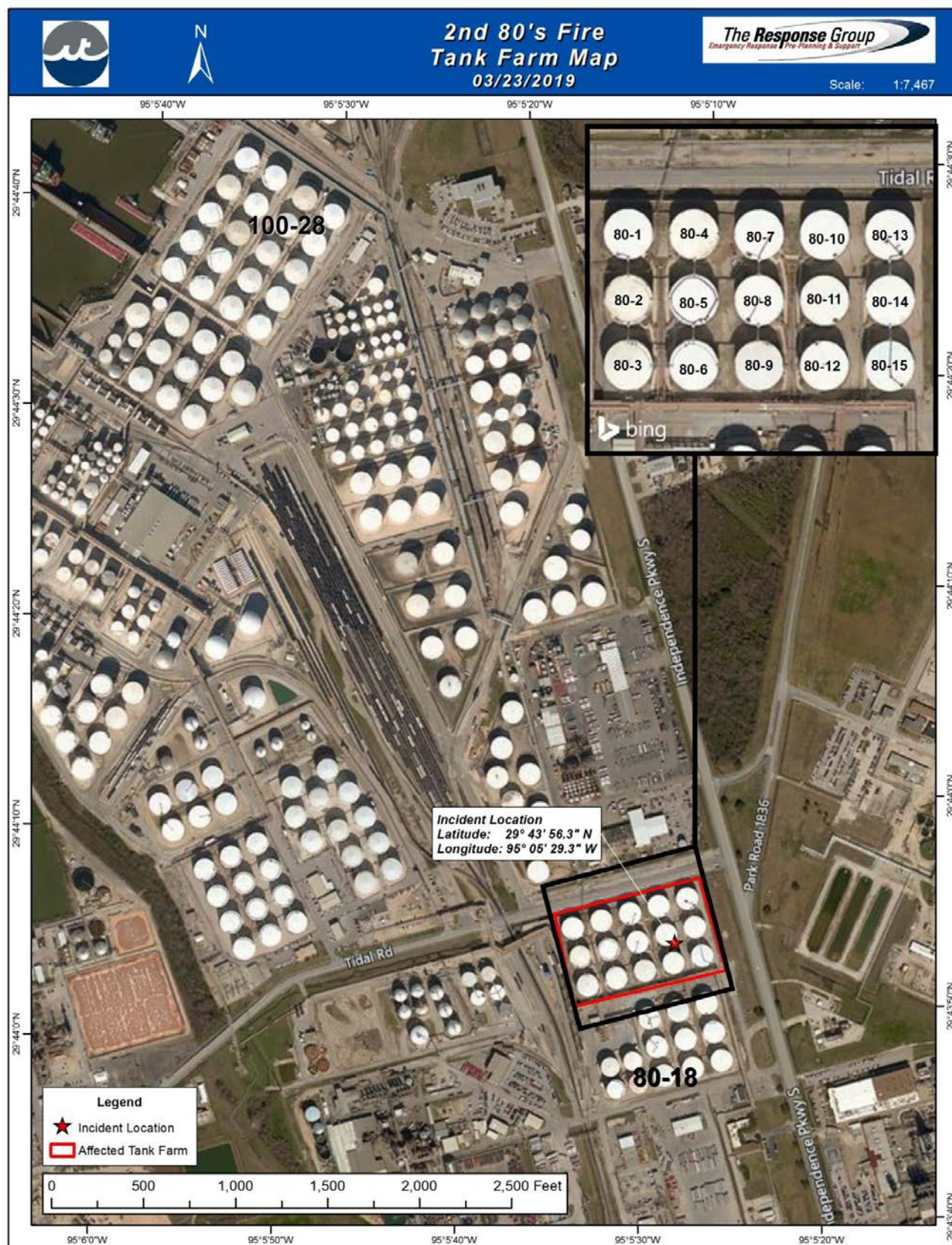
ICS 204 - Assignment List

Group: Tank Farm Recovery Group

Incident Name: 2nd 80's Fire

Period: Period 2 [03/24/2019 07:00 - 03/25/2019 07:00]

Tank Farm Recovery Group



ICS 204 - Assignment List

Updated 03/23/2019 18:48 UTC -6:00

ICS 204 - Assignment List			Group: Air Monitoring Group	
Incident Name: 2nd 80's Fire			Period: Period 2 [03/24/2019 07:00 - 03/25/2019 07:00]	
Operations Personnel				
Position	Name	Affiliation	Contact Number(s)	Work Shift
Deputy Operations Section Chief	Burditt, John	ITC	832-240-6440	Day Shift
Deputy Operations Section Chief	Cadena, Hector	ITC	281-884-0380	Night Shift
Operations Section Chief	Kuhn, Karl	ITC	713-208-5583	Day Shift
Operations Section Chief	Young, Kevin	ITC	281-786-9383	Night Shift
Air Monitoring Group Supervisor	Langley, Justin	CTEH	281-627-2889	Day Shift
Air Monitoring Group Supervisor	Allaby, Eric	CTEH	(501) 529-7164	Night Shift
Resources Required				
Area Of Operation	Resource Kind	Description	Quantity	Size
Air Monitoring Group	Equipment: Safety	Air Monitoring Kits	117	
Air Monitoring Group	Manpower: Responder	Manpower: Responder	45	
Assignments				
<p>CTEH: Real time air monitoring (360 deg. 24hr) in operational areas as well as in community. (Benzene, VOCs) (33) Analytical stations samples go to lab for rush turnaround (same day or next day). See Air Monitoring Plan for details.</p> <p>EPA: (2) Roving monitoring teams conducting air monitoring. Real-time monitoring will occur via ASPECT aerial platform. TAGA bus will be mobilized to conduct air monitoring in community areas.</p> <p>MSRC: (2) CTEH personnel & (1) MSRC Tech will conduct monitoring on the deck of the OSRV. Initial site assessment will be conducted on 3/23.</p> <p>Hazmat Group (Houston Fire, CST, Harris County Fire Marshall Office, TIFMAS): (4) (2) man teams will take readings at multiple sites around the Incident Location and will report results. If actions levels are reached, Harris County EOC will be notified. CST will coordinate work through Hazmat Group or Local On-Scene Coordinator.</p> <p>TCEQ: (3) teams will conduct monitoring. Team 1 (Deer Park), Team 2 (East of 610, South of Hwy 90, West of Beltway 8), Team 3 (North of Lynchburg and South of Hwy 90). Mobile air monitoring will be conducted in (4) quadrant: (3) downwind of incident location and (1) in Deer Park. If action levels are hit, will notify via email as well as to Unified Command.</p> <p>Harris County Pollution Control: Will conduct roving monitoring along Tidal Rd.</p> <p>Any monitoring data that exceeds action levels will be reported to the Monitoring Supervisor.</p> <p>Email: Air2@iterm.com Phone: 832-493-8041</p>				
Communications				
Name / Function		Contact Details		
Operations/Safety/Incident Command / Operations		Operations/Safety/Incident Command 15		
Special Environmental Considerations				
Report any oiled wildlife, or wildlife in foam to the Environmental Unit Lead. Please take photo, and document location - DO NOT APPROACH				
ICS 204 - Assignment List			Updated 03/23/2019 23:44 UTC -6:00	
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ICS 204 - Assignment List		Group: Air Monitoring Group	
Incident Name: 2nd 80's Fire		Period: Period 2 [03/24/2019 07:00 - 03/25/2019 07:00]	
Special Site-Specific Safety Considerations			
<p>Follow all traffic signs, posted speeds limits and stay on paved roads. Maintain situational awareness while driving. Maintain walking surface awareness to prevent slips, trips and falls. Don PFD's when working close to open water or onboard a vessel.</p> <p>Wear appropriate PPE, communicate any unsafe situations to supervisor. Utilize stop work authority if necessary. Nobody gets hurt.</p> <p>Ensure all personnel are equipped with Benzene detection. If Benzene is detected at levels higher than action level, evacuate the area, notify the Command Post. If available don appropriate PPE prior reentry.</p>			
ICS 204 - Assignment List		Updated 03/23/2019 23:44 UTC -6:00	
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ICS 204 - Assignment List			Group: Water Sampling TF	
Incident Name: 2nd 80's Fire			Period: Period 2 [03/24/2019 07:00 - 03/25/2019 07:00]	
Operations Personnel				
Position	Name	Affiliation	Contact Number(s)	Work Shift
Deputy Operations Section Chief	Burditt, John	ITC	832-240-6440	Day Shift
Deputy Operations Section Chief	Cadena, Hector	ITC	281-884-0380	Night Shift
Operations Section Chief	Kuhn, Karl	ITC	713-208-5583	Day Shift
Operations Section Chief	Young, Kevin	ITC	281-786-9383	Night Shift
Water Sampling Group Supervisor	Kubitz, Jody	Cardno	815-355-3938	Day Shift
Water Sampling Group Supervisor	Cardno			
Resources Required				
Area Of Operation	Resource Kind	Description	Quantity	Size
Water Sampling Group	Miscellaneous	Water Sampling Kits	2	
Water Sampling Group	Vessel	Vessel	1	
Water Sampling Group	Manpower: Responder	Manpower: Responder	2	
Assignments				
Conduct water sampling in various locations per the Water Sampling Plan. Samples will be taken from shoreline access points and vessels as needed. All sampling results will be communicated back to Incident Command.				
EPA: (1) Surface water sampling group will conduct sampling around Tucker Bayou (daily), San Jacinto State Historical Park, and the vicinity of the Lynchburg Reservoir.				
TCEQ: (1) Surface quality group will conduct water sampling east of Channelview, as far as the eastern border of Galveston Bay and as far south as Kemah.				
Cardno: (2) Teams will conduct water sampling by vessel and taking a full suite of samples from Buffalo Bayou east for several miles. Reference the Foam Product & Water Sampling Plan for additional details.				
ITC: Water sampling will occur at outfall 3 every 2 hrs. If outfall 3 is opened, take additional sample.				
Communications				
Name / Function		Contact Details		
Ch. 15 Operations/Safety/IC				
Marine - USCG OPS / Tactical		Marine - USCG OPS 81A		
Marine - Hailing and Emergency / All		Marine - Hailing and Emergency 16		
Marine - OMI-On-water OPS / Tactical		Marine - OMI-On-water OPS 67		
Operations/Safety/Incident Command / Operations		Operations/Safety/Incident Command 15		
Special Environmental Considerations				
Report any oiled wildlife, or wildlife in foam to the Environmental Unit Lead. Please take photo, and document location - DO NOT APPROACH				
Avoid vessel collisions with wildlife				
Avoid walking or grounding vessels in marsh areas				
ICS 204 - Assignment List			Updated 03/21/2019 13:58 UTC -6:00	
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ICS 204 - Assignment List		Group: Water Sampling TF	
Incident Name: 2nd 80's Fire		Period: Period 2 [03/24/2019 07:00 - 03/25/2019 07:00]	
Special Site-Specific Safety Considerations			
<p>Maintain walking surface awareness to prevent slips, trips and falls. Don PFD's when working within 3 ft of the waters edge, open water or onboard a vessel.</p> <p>Wear appropriate PPE, communicate any unsafe situations to supervisor. Utilize stop work authority if necessary. Nobody gets hurt.</p> <p>Ensure all personnel are equipped with Benzene detection. If Benzene is detected at levels higher than action level, evacuate the area, notify the Command Post.</p>			
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ICS 204 - Assignment List			Other: Rapid Assessment Team (RAT)	
Incident Name: 2nd 80's Fire			Period: Period 2 [03/24/2019 07:00 - 03/25/2019 07:00]	
Operations Personnel				
Position	Name	Affiliation	Contact Number(s)	Work Shift
Deputy Operations Section Chief	Burditt, John	ITC	832-240-6440	Day Shift
Deputy Operations Section Chief	Cadena, Hector	ITC	281-884-0380	Night Shift
Operations Section Chief	Kuhn, Karl	ITC	713-208-5583	Day Shift
Operations Section Chief	Young, Kevin	ITC	281-786-9383	Night Shift
Resources Required				
Area Of Operation	Resource Kind	Description	Quantity	Size
Rapid Assessment Team (RAT)	Vessel	Vessel	4	
Rapid Assessment Team (RAT)	Manpower: Responder	Manpower: Responder	16	
Assignments				
(4) Rapid Assessment Teams (RAT) to conduct surveys along both shorelines of the ship channel to assess any environmental impacts. Teams will be comprised of Federal, State and Cardno/ITC personnel. All surveys will be conducted per the Rapid Assessment Team Plan.				
Communications				
Name / Function		Contact Details		
Operations/Safety/Incident Command / Operations		Operations/Safety/Incident Command 15		
Special Environmental Considerations				
Report any oiled wildlife, or wildlife in foam to the Environmental Unit Lead. Please take photo, and document location - DO NOT APPROACH				
Avoid vessel collisions with wildlife				
Avoid grounding vessels in marsh areas				
Special Site-Specific Safety Considerations				
Maintain awareness of walking surfaces to prevent slips trips and falls. Maintain walking surface awareness to prevent slips, trips and falls. Don PFD's when working within 3 ft of the waters edge, open water or onboard a vessel.				
Wear appropriate PPE, communicate any unsafe situations to supervisor. Utilize stop work authority if necessary. Nobody gets hurt.				
Ensure all personnel are equipped with Benzene detection. If Benzene is detected at levels higher than action level, evacuate the area, report to supervisor and Mike Gaudet (281-787-8256).				
All equipment and personnel must be decontaminated prior to leaving the hot zone.				
ICS 204 - Assignment List			Prepared By Operations, Updated 03/23/2019 23:46 UTC -6:00 PP	
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ICS 205 - Radio Communications					Version Name: Radio Comms				
Incident Name: 2nd 80's Fire					Period: Period 2 [03/24/2019 07:00 - 03/25/2019 07:00]				
Radio Channel Information									
Ch #	Function	Channel Name/ Trunked Radio System Talkgroup	Assignment	Rx Freq N or W	Rx Tone/NAC	Tx Freq N or W	Tx Tone/NAC	Mode (A, D, or M)	Remarks
81A	Tactical	Marine - USCG OPS		157.0250	None	Simplex		A	
21A	Tactical	Marine - RAT (Rapid Assessment Teams)		157.0500	None	Simplex		A	
16	All	Marine - Hailing and Emergency		156.8000	None	Simplex		A	
67	Tactical	Marine - OMI-On-water OPS		156.3750	None	Simplex		A	
Site 1 & 2	Command	ITC Trunking System	ITC ICP (Admin Building)	Encrypted				D	
15	Operations	Operations/Safety/Incident Command							
1	Dispatch	CIMA							
2	Tactical	East/South - CIMA							
3	Tactical	North Div - CIMA							
4	Tactical	West Div (Water Supply) - CIMA							
5	Tactical	Safety (IH) - CIMA							
Special Radio Instructions									
ICS 205 - Radio Communications					Prepared By Logistics, Updated 03/23/2019 18:02 UTC -6:00 PP				
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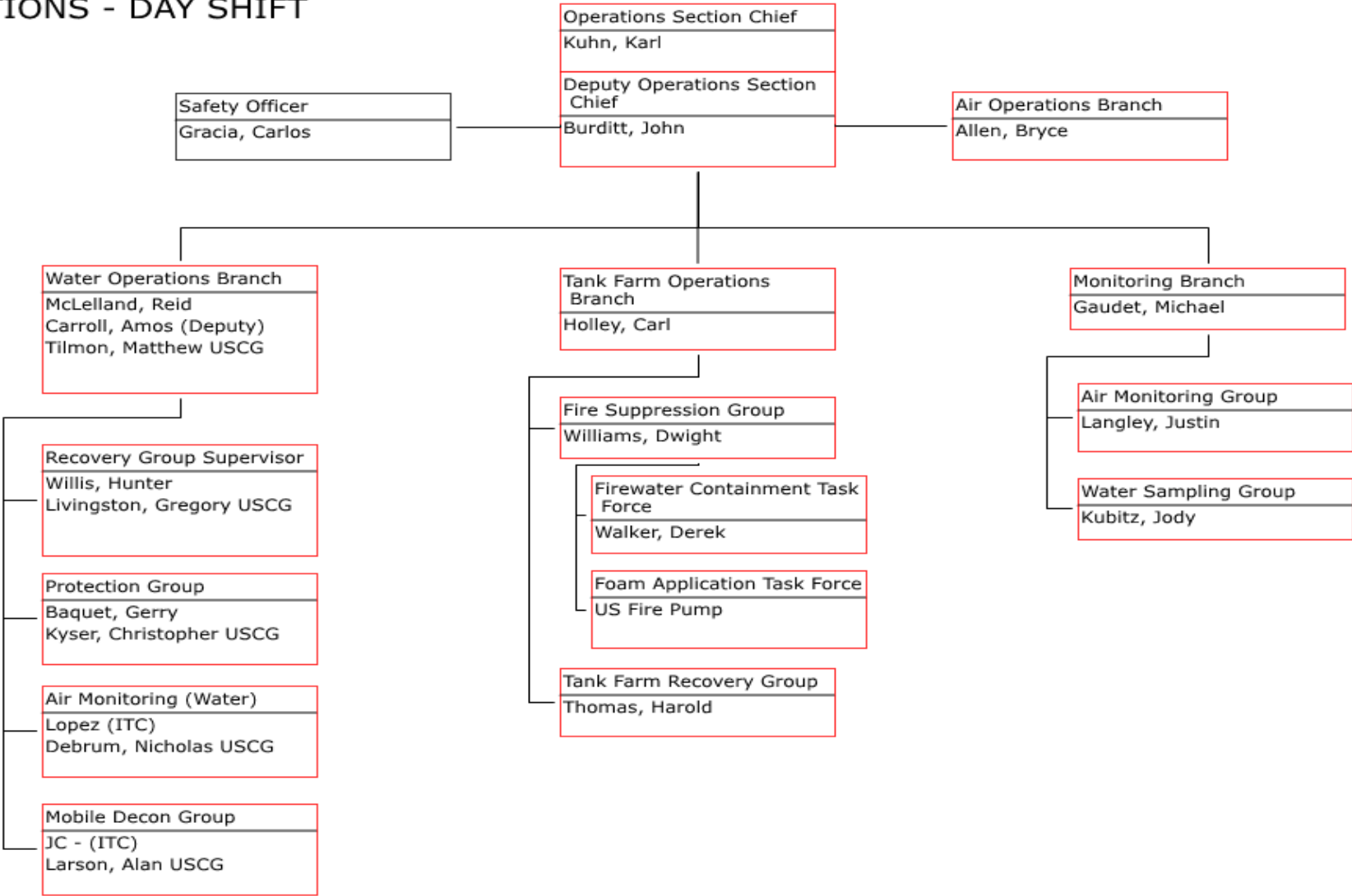
ICS 205a - Communications List				Version Name: Period 2	
Incident Name: 2nd 80's Fire				Period: Period 2 [03/24/2019 07:00 - 03/25/2019 07:00]	
Local Communications Information					
Name	Incident Assigned Position	Mobile Phone	Work Phone	Email	Notes
Everett, John	Liaison Officer	(713) 824-3578			
Cadena, Hector	Deputy Operations Section Chief	(281) 884-0380			
Adams, Adam	Federal OSC	(214) 202-6952			
Antu, Jason		(281) 786-9770			
Berg, Mike	Public Health	(501) 517-5712			
Bernhagen, Kendra	State OSC	(713) 767-3591			
Bridges, Kayla	Staging Area Manager	(832) 247-9180			
Burditt, John	Deputy Operations Section Chief	(832) 240-6440			
Cadena, Hector	Operations Section Chief	(281) 884-0380			
Carroll, Amos	On Water Operations Branch	(832) 256-3265			
Collins, Ray	Safety Officer	(713) 614-8550			
Dubach, Helen	Environmental Unit Leader	(504) 616-2427			
Escoto, Miguel	PIO	(832) 798-9331			
Everett, John	ITC Customers & Business	(713) 824-3578			
Gaudet, Michael	Monitoring Branch	(281) 787-8256			
Guidry, Tim	Safety Officer	(832) 465-0511			
Holley, Carl	Incident Commander	(281) 380-1012			
Jeansonne, Mark	Finance Section Chief	(281) 884-0312			
Kryla, Matt	Legal Officer	(713) 504-0313			
Kubitz, Jody (Cardno)	Water Sampling TF Leader	(815) 355-3938			
Kuhn, Karl	Operations Section Chief	(713) 208-5583			
Langley, Justin (CTEH)	Air Monitoring TF Leader	(281) 627-2889			
Lawhorm, Richard	Local OSC	(281) 850-2034			
Lay, Travis	State OSC	(254) 493-2403			
Martin, Gene	Recovery Group Supervisor	(832) 259-6587			
Mason, Stephen	Federal OSC	(214) 789-1871			
McCormack, James	Environmental Unit Leader	(317) 473-0688			
ICS 205a - Communications List			Prepared By Logistics, Updated 03/24/2019 00:12 UTC -6:00 PP		
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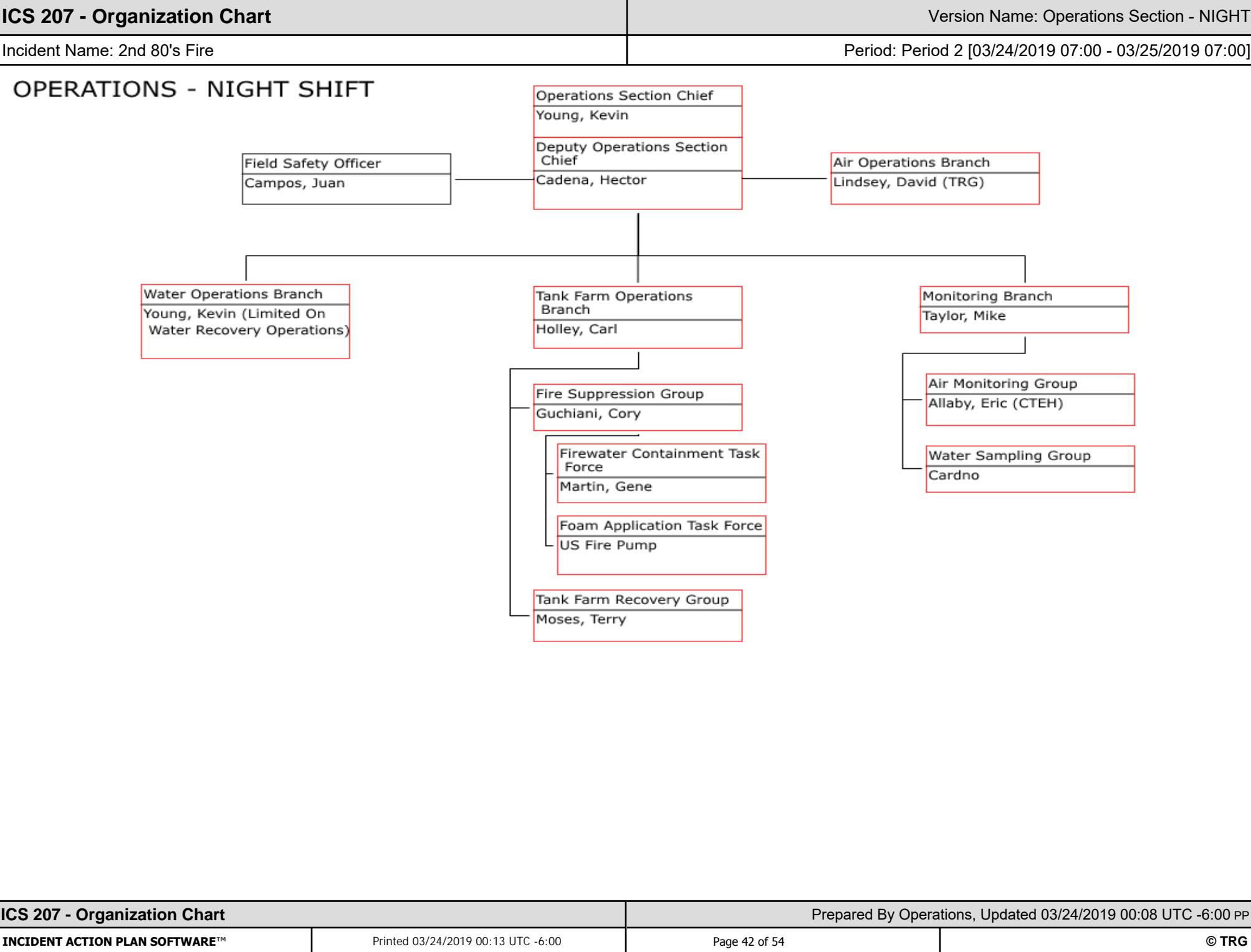
ICS 205a - Communications List				Version Name: Period 2	
Incident Name: 2nd 80's Fire				Period: Period 2 [03/24/2019 07:00 - 03/25/2019 07:00]	
Local Communications Information					
Name	Incident Assigned Position	Mobile Phone	Work Phone	Email	Notes
McLelland, Reid	Monitoring Group Supervisor	(281) 838-7567			
Meeks, Chris	Safety Officer	(832) 514-0760			
Morris, Nicole		(816) 830-8528			
Netland, Bernt	Deputy EOC Manager	(281) 884-0267			
Newport, Scott	Logistics Section Chief	(281) 515-4700			
Ochoa, Sheridon	JIC/PIO	(832) 732-5980			
Pennacchi, Bob		(281) 881-8625			
Primrose, Linda	Legal Officer	(713) 236-6152		l.primrose@mitsui.com	
Richardson, Alice	Public Information Officer	(713) 705-8570			
Salinas, Anallely	State OSC	(361) 442-3632			
Samuelsen, Dale		(281) 415-7306			
Saunders, Art	Sampling Specialist	(610) 220-3957			
Shremshock, Karrah	Waste Specialist	(281) 832-1052			
Swanney, Kyle		(832) 256-7210			
Taylor, Mike	Monitoring Group Supervisor	(281) 667-1771			
Thomas, Harold	Tank Farm Recovery Group Supervisor	(713) 823-2543			
Tilmon, Matthew		(832) 256-3261			
Tran, Tina	State OSC	(512) 965 2717			
Vanegas, Mike	Deputy Operations Section Chief	(713) 483-4331			
Wade, David	Local OSC	(713) 545-9299			
Wakefield, Jeff	SCAT Specialist	(302) 388-9173			
Walker, Derek	Recovery Group Supervisor	(281) 515-0751			
Wascome, David	Deputy Incident Commander	(225) 964-9640			
Weber, Brent	Incident Commander	(225) 806-5136			
Wesley, Maurice	Liaison Officer	(281) 222-4916			
White, Dustin B	Planning Section Chief	(281) 797-9311	(281) 880-5000	dwhite@responsegroupinc.com	
Willis, Hunter	Recovery & Protection Group	(346) 233-2879			
Wofford, Tami	Logistics Section Chief	(832) 338-4818			
ICS 205a - Communications List			Prepared By Logistics, Updated 03/24/2019 00:12 UTC -6:00 PP		
INCIDENT ACTION PLAN SOFTWARE™		Printed 03/24/2019 00:13 UTC -6:00	Page 37 of 54		© TRG

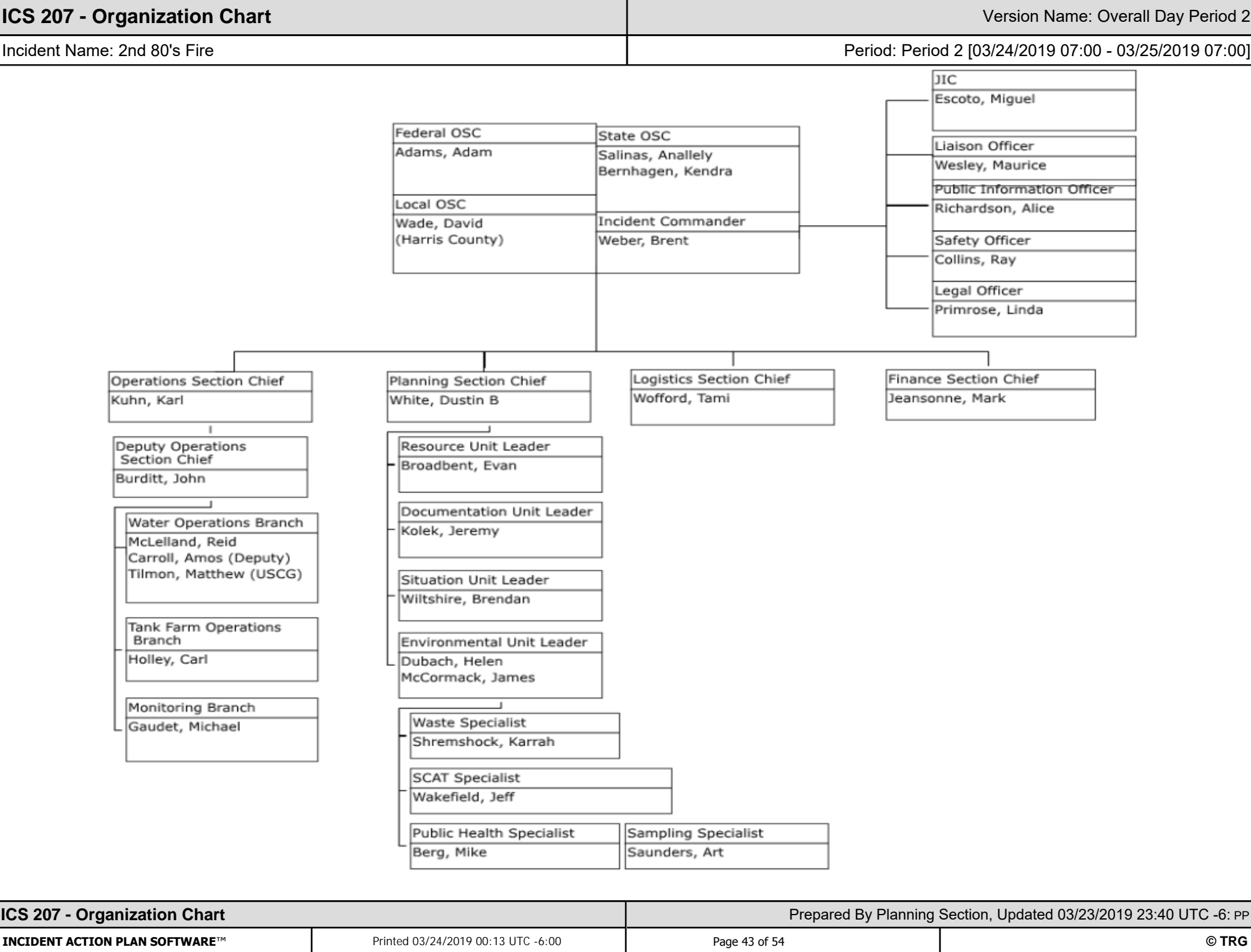
ICS 206 - Medical Plan				Version Name: Period 2				
Incident Name: 2nd 80's Fire				Period: Period 2 [03/24/2019 07:00 - 03/25/2019 07:00]				
Medical Aid Stations								
<i>Name</i>	<i>Location</i>	<i>Paramedic On Site</i>	<i>Phone</i>	<i>Radio</i>				
Fort Bend County MPV 6-03	-95.16425 29.7246	<input checked="" type="checkbox"/>	Ph1: 346-857-9244					
Atascocita FD Rehab	-95.16421 29.72464	<input checked="" type="checkbox"/>	Ph1: CIMA 1					
Transportation (Ground and/or Air Ambulance Services)								
<i>Ambulance Service</i>	<i>Location</i>	<i>Phone</i>	<i>Radio</i>	<i>Air</i>	<i>ALS</i>			
CIMA Affiliated Ambulances		Ph1: CIMA 1		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>			
Texas Medical Transport - Channelview	Channelview, TX	Ph1: (281) 457-6360		<input type="checkbox"/>	<input type="checkbox"/>			
Alliance Ambulance Inc.	Channelview, TX	Ph1: (281) 457-2666		<input type="checkbox"/>	<input type="checkbox"/>			
Texas Medical Transport - Deer Park	Deer Park, TX	Ph1: (281) 478-0800		<input type="checkbox"/>	<input type="checkbox"/>			
Hospitals								
<i>Hospital</i>	<i>Location</i>	<i>Phone</i>	<i>Radio</i>	<i>Air Travel Time</i>	<i>Ground Travel Time</i>	<i>Trauma Center</i>	<i>Helipad</i>	<i>Burn Center</i>
Houston Healthcare Southeast	4000 Spencer Hwy Pasadena, TX 77504 -95.18378 29.66124	713-359-1440		15 min	15 min	III	<input checked="" type="checkbox"/>	<input type="checkbox"/>
UTMB	3737 Red Bluff Rd #150 Pasadena, TX 77503 -95.15567 29.68583	409-772-2002		15 min	15 min	I	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Houston Healthcare Clear Lake	500 W. Medical Center Blvd, Webster, TX 77598 Webster, TX 77598 -95.12773 29.5413	281-338-3708		15 min	30 min	II	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Houston Methodist Baytown	4401 Garth Road Baytown, TX 77521 -94.9796 29.76916	281-420-8851 281-420-8600		15 min	30 min		<input checked="" type="checkbox"/>	<input type="checkbox"/>
Surgery Specialty Hospital of America-Southeast Houston	4301 B Vista Pasadena, TX 77504 -95.1779 29.65913	713-378-2068 713-378-3000		15 min	15 min	II	<input type="checkbox"/>	<input type="checkbox"/>
Advanced Diagnostic Hospital East	12950 East Freeway Ste.100 Houston, TX 77015 -95.20044 29.77054	903-240-5893		15 min	15 min		<input type="checkbox"/>	<input type="checkbox"/>
ICS 206 - Medical Plan				Prepared By Planning, Updated 03/23/2019 20:14 UTC -6:00 PP				
INCIDENT ACTION PLAN SOFTWARE™		Printed 03/24/2019 00:13 UTC -6:00		Page 39 of 54			© TRG	

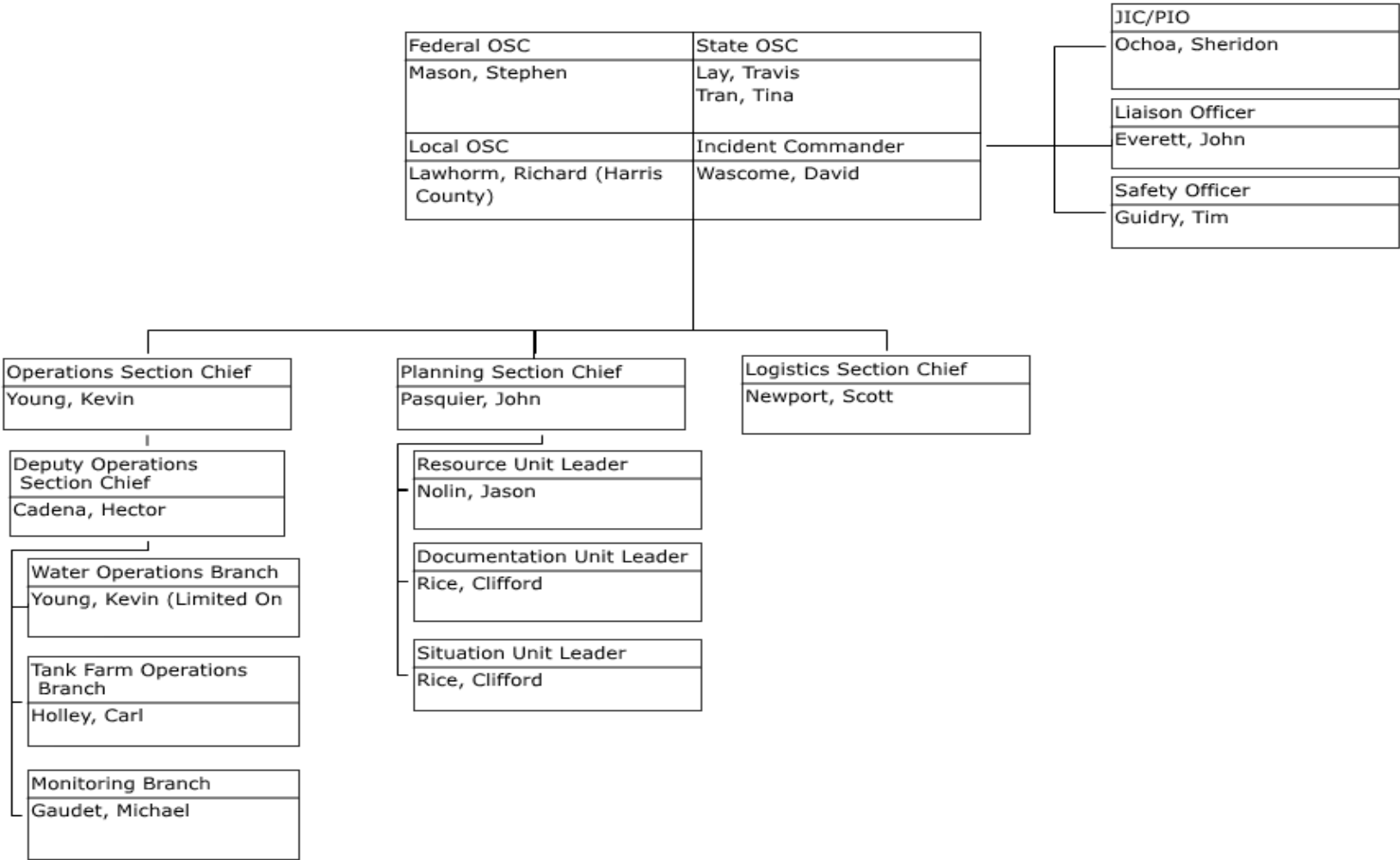
ICS 206 - Medical Plan		Version Name: Period 2	
Incident Name: 2nd 80's Fire		Period: Period 2 [03/24/2019 07:00 - 03/25/2019 07:00]	
<p align="center">Special Medical Emergency Procedures</p>			
<p>SDS available and copies made to send with ambulance.</p> <p>Decontamination must take place prior to transport.</p> <p>Helipad/air operations will take place on Independence Road immediately across from CIMA Incident Command Post.</p>			
<p align="center">EMERGENCY MEDICAL PROCEDURES</p> <p align="center">In the event of a medical emergency provide the following information to the Communications Unit.</p> <ol style="list-style-type: none"> 1. Declare the nature of the emergency. <ul style="list-style-type: none"> ◦ Medical injury/illness? ◦ If injury/illness, is it Life Threatening? 2. If Life Threatening, then request that the designated frequency be cleared for emergency traffic. 3. Identify the on-scene Point of Contact (POC) by Resource and Last name. 4. Identify nature of incident, number injured, patient assessment(s) and location (geographic and GPS coordinates). 5. Identify on-scene medical personnel by position and name. 6. Identify preferred method of patient transport. 7. Request any additional resources and/or equipment needed. 8. Document all information received and transmitted on the radio or phone. 9. Identify any changes in the on-scene Point of Contact or medical personnel as they occur. 			
<div style="height: 400px;"></div>			
ICS 206 - Medical Plan		Prepared By Planning, Updated 03/23/2019 20:14 UTC -6:00 PP	
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OPERATIONS - DAY SHIFT









ICS 208 - Site Safety Plan					Version Name: Fire Suppression				
Incident Name: 2nd 80's Fire					Period: Period 2 [03/24/2019 07:00 - 03/25/2019 07:00]				
Applies to Site: 2nd 80's Tank Farm									
Site Characterization									
Water			Land			Weather			
Wave Height			Land Use			Air Temp		76 Fahrenheit	
Speed			0.48 knot (s)			Wind Speed		2 mph	
Direction			NNW			Direction		SE	
Site Hazards									
Yes	No	Hazards	Yes	No	Hazards	Yes	No	Hazards	
<input type="checkbox"/>	<input checked="" type="checkbox"/>	Boat Safety	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Fire, Explosion, In-situ Burning	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Pump Hose	
<input checked="" type="checkbox"/>	<input type="checkbox"/>	Chemical Hazards	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Heat Stress	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Slips, Trips, and Falls	
<input type="checkbox"/>	<input checked="" type="checkbox"/>	Cold Stress	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Helicopter Operations	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Steam and Hot Water	
<input type="checkbox"/>	<input checked="" type="checkbox"/>	Confined Spaces	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Lifting	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Trenching/Excavation	
<input checked="" type="checkbox"/>	<input type="checkbox"/>	Drum Handling	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Motor Vehicles	<input type="checkbox"/>	<input checked="" type="checkbox"/>	UV Radiation	
<input checked="" type="checkbox"/>	<input type="checkbox"/>	Equipment Operations	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Noise	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Visibility	
<input type="checkbox"/>	<input checked="" type="checkbox"/>	Electrical Operations	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Overhead/Buried Utilities	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Weather	
<input checked="" type="checkbox"/>	<input type="checkbox"/>	Fatigue	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Plants/Wildlife	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Work Near Water	
Air Monitoring Limits									
Oxygen Level		Outside 19.5-23.5	Hydrogen Sulfide		10 ppm	Total Hydrocarbons		50 ppm	
LEL		Greater than 10%	Benzene		.5 ppm				
Engineering Controls									
<input type="checkbox"/>	Source of release secured		<input type="checkbox"/>	Valve(s) closed		<input type="checkbox"/>	Energy sources locked/tagged out		
<input checked="" type="checkbox"/>	Site secured		<input checked="" type="checkbox"/>	Facility shut down					
Personal Protective Equipment Required									
<input type="checkbox"/>	Impervious suit		<input checked="" type="checkbox"/>	Flame resistant clothing		<input checked="" type="checkbox"/>	Eye protection		
<input checked="" type="checkbox"/>	Inner gloves		<input checked="" type="checkbox"/>	Hard hats		<input type="checkbox"/>	Personal flotation		
<input checked="" type="checkbox"/>	Outer gloves		<input checked="" type="checkbox"/>	Respirators		<input checked="" type="checkbox"/>	Boots		
Additional Control Measures Established									
<input checked="" type="checkbox"/>	Decontamination		<input checked="" type="checkbox"/>	Illumination		<input checked="" type="checkbox"/>	Additional stations established		
<input checked="" type="checkbox"/>	Sanitation		<input checked="" type="checkbox"/>	Medical surveillance		<input checked="" type="checkbox"/>	Facilities provided		
Work Plan									
<input type="checkbox"/>	Booming		<input type="checkbox"/>	Excavation		<input type="checkbox"/>	Hot work		
<input type="checkbox"/>	Skimming		<input checked="" type="checkbox"/>	Heavy equipment		<input type="checkbox"/>	Appropriate permits used		
<input type="checkbox"/>	Vac trucks		<input type="checkbox"/>	Sorbent pads					
<input checked="" type="checkbox"/>	Pumping		<input type="checkbox"/>	Patching					
Training									
<input checked="" type="checkbox"/>	Verified site workers trained per local/federal regulatory requirements			Training Requirements		HAZWOPER			
ICS 208 - Site Safety Plan					Prepared By Safety Officer, Updated 03/23/2019 20:36 UTC -6:00 PP				
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ICS 208 - Site Safety Plan				Version Name: Fire Suppression			
Incident Name: 2nd 80's Fire				Period: Period 2 [03/24/2019 07:00 - 03/25/2019 07:00]			
Organization							
<i>Position</i>		<i>Name</i>		<i>Telephone/Radio</i>		<i>Position</i>	
Incident Commander		Weber, Brent		(225) 806-5136		Operations Section Chief	
Safety Officer		Sterkel, Gary		281-384-9519			
Emergency Plan							
<input checked="" type="checkbox"/>	Fire Prevention Plan			<input checked="" type="checkbox"/>	Evacuation Plan		
<input checked="" type="checkbox"/>	Alarm System			<input checked="" type="checkbox"/>	First Aid Location		
Notifications							
<i>Facility</i>				<i>Phone</i>		<i>Facility</i>	
<input checked="" type="checkbox"/>	Hospital	Houston Healthcare Southeast		713-359-1440		<input checked="" type="checkbox"/>	Fire
<input checked="" type="checkbox"/>	Ambulance	CIMA Affiliated Ambulances		CIMA 1		<input checked="" type="checkbox"/>	Law Enforcement
<input checked="" type="checkbox"/>	Air Ambulance	CIMA Affiliated Ambulances		CIMA 1		<input checked="" type="checkbox"/>	Emergency Response/Rescue
Initial Briefing							
<input type="checkbox"/>	Initial safety briefing prepared for each site						
ICS 208 - Site Safety Plan				Prepared By Safety Officer, Updated 03/23/2019 20:36 UTC -6:00 PP			
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ICS 208 - Site Safety Plan				Version Name: On Water/Nearshore Operations				
Incident Name: 2nd 80's Fire				Period: Period 2 [03/24/2019 07:00 - 03/25/2019 07:00]				
Applies to Site: On Water/Nearshore Operations								
Site Characterization								
Water		Land		Weather				
Wave Height		Land Use		Air Temp		76 Fahrenheit		
Speed		0.48 knot (s)		Wind Speed		2 mph		
Direction		NNW		Direction		SE		
Site Hazards								
Yes	No	Hazards	Yes	No	Hazards	Yes	No	
<input checked="" type="checkbox"/>	<input type="checkbox"/>	Boat Safety	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Fire, Explosion, In-situ Burning	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
<input checked="" type="checkbox"/>	<input type="checkbox"/>	Chemical Hazards	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Heat Stress	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
<input type="checkbox"/>	<input checked="" type="checkbox"/>	Cold Stress	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Helicopter Operations	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
<input type="checkbox"/>	<input checked="" type="checkbox"/>	Confined Spaces	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Lifting	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
<input type="checkbox"/>	<input checked="" type="checkbox"/>	Drum Handling	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Motor Vehicles	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
<input checked="" type="checkbox"/>	<input type="checkbox"/>	Equipment Operations	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Noise	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
<input type="checkbox"/>	<input checked="" type="checkbox"/>	Electrical Operations	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Overhead/Buried Utilities	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
<input checked="" type="checkbox"/>	<input type="checkbox"/>	Fatigue	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Plants/Wildlife	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Air Monitoring Limits								
Oxygen Level		Outside 19.5-23.5	Hydrogen Sulfide		10 ppm	Total Hydrocarbons		
LEL		Greater than 10%	Benzene		.5 ppm			
Engineering Controls								
<input type="checkbox"/>	Source of release secured		<input checked="" type="checkbox"/>	Valve(s) closed		<input checked="" type="checkbox"/>	Energy sources locked/tagged out	
<input checked="" type="checkbox"/>	Site secured		<input checked="" type="checkbox"/>	Facility shut down				
Personal Protective Equipment Required								
<input type="checkbox"/>	Impervious suit		<input checked="" type="checkbox"/>	Flame resistant clothing		<input checked="" type="checkbox"/>	Eye protection	
<input checked="" type="checkbox"/>	Inner gloves		<input checked="" type="checkbox"/>	Hard hats		<input type="checkbox"/>	Personal flotation	
<input checked="" type="checkbox"/>	Outer gloves		<input checked="" type="checkbox"/>	Respirators		<input checked="" type="checkbox"/>	Boots	
Additional Control Measures Established								
<input checked="" type="checkbox"/>	Decontamination		<input checked="" type="checkbox"/>	Illumination		<input checked="" type="checkbox"/>	Additional stations established	
<input checked="" type="checkbox"/>	Sanitation		<input checked="" type="checkbox"/>	Medical surveillance		<input checked="" type="checkbox"/>	Facilities provided	
Work Plan								
<input checked="" type="checkbox"/>	Booming		<input type="checkbox"/>	Excavation		<input type="checkbox"/>	Hot work	
<input type="checkbox"/>	Skimming		<input checked="" type="checkbox"/>	Heavy equipment		<input type="checkbox"/>	Appropriate permits used	
<input checked="" type="checkbox"/>	Vac trucks		<input checked="" type="checkbox"/>	Sorbent pads				
<input checked="" type="checkbox"/>	Pumping		<input type="checkbox"/>	Patching				
Training								
<input checked="" type="checkbox"/>	Verified site workers trained per local/federal regulatory requirements			Training Requirements		HAZWOPER		
ICS 208 - Site Safety Plan								
Prepared By Safety Officer, Updated 03/23/2019 20:32 UTC -6:00 PP								
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ICS 208 - Site Safety Plan				Version Name: On Water/Nearshore Operations			
Incident Name: 2nd 80's Fire				Period: Period 2 [03/24/2019 07:00 - 03/25/2019 07:00]			
Organization							
<i>Position</i>		<i>Name</i>		<i>Telephone/Radio</i>		<i>Position</i>	
Incident Commander		Weber, Brent		(225) 806-5136		Operations Section Chief	
Safety Officer		Sterkel, Gary		281-384-9519			
Emergency Plan							
<input checked="" type="checkbox"/>	Fire Prevention Plan			<input checked="" type="checkbox"/>	Evacuation Plan		
<input checked="" type="checkbox"/>	Alarm System			<input checked="" type="checkbox"/>	First Aid Location		
Notifications							
<i>Facility</i>				<i>Phone</i>		<i>Facility</i>	
<input checked="" type="checkbox"/>	Hospital	Houston Healthcare Southeast		713-359-1440		<input checked="" type="checkbox"/>	Fire
<input checked="" type="checkbox"/>	Ambulance	CIMA Affiliated Ambulances		CIMA 1		<input checked="" type="checkbox"/>	Law Enforcement
<input checked="" type="checkbox"/>	Air Ambulance	CIMA Affiliated Ambulances		CIMA 1		<input checked="" type="checkbox"/>	Emergency Response/Rescue
Initial Briefing							
<input type="checkbox"/>	Initial safety briefing prepared for each site						
ICS 208 - Site Safety Plan				Prepared By Safety Officer, Updated 03/23/2019 20:32 UTC -6:00 PP			
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ICS 208 - Site Safety Plan				Version Name: On Water Recovery Group				
Incident Name: 2nd 80's Fire				Period: Period 2 [03/24/2019 07:00 - 03/25/2019 07:00]				
Applies to Site: On Water Recovery Group								
Site Characterization								
Water		63	Land		Weather		Mostly Cloudy	
Wave Height			Land Use		Air Temp		74 Fahrenheit	
Speed		0.48 knot (s)			Wind Speed		3 mph	
Direction		NNW			Direction		W	
Site Hazards								
Yes	No	Hazards	Yes	No	Hazards	Yes	No	
<input checked="" type="checkbox"/>	<input type="checkbox"/>	Boat Safety	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Fire, Explosion, In-situ Burning	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
<input checked="" type="checkbox"/>	<input type="checkbox"/>	Chemical Hazards	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Heat Stress	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
<input type="checkbox"/>	<input checked="" type="checkbox"/>	Cold Stress	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Helicopter Operations	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
<input type="checkbox"/>	<input checked="" type="checkbox"/>	Confined Spaces	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Lifting	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
<input checked="" type="checkbox"/>	<input type="checkbox"/>	Drum Handling	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Motor Vehicles	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
<input checked="" type="checkbox"/>	<input type="checkbox"/>	Equipment Operations	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Noise	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
<input type="checkbox"/>	<input checked="" type="checkbox"/>	Electrical Operations	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Overhead/Buried Utilities	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
<input checked="" type="checkbox"/>	<input type="checkbox"/>	Fatigue	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Plants/Wildlife	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Air Monitoring Limits								
Oxygen Level		Outside 19.5-23.5	Hydrogen Sulfide		10 ppm	Total Hydrocarbons		
LEL		Greater than 10%	Benzene		.5 ppm			
Engineering Controls								
<input type="checkbox"/>	Source of release secured		<input type="checkbox"/>	Valve(s) closed		<input type="checkbox"/>	Energy sources locked/tagged out	
<input type="checkbox"/>	Site secured		<input type="checkbox"/>	Facility shut down				
Personal Protective Equipment Required								
<input checked="" type="checkbox"/>	Impervious suit		<input type="checkbox"/>	Flame resistant clothing		<input checked="" type="checkbox"/>	Eye protection	
<input checked="" type="checkbox"/>	Inner gloves		<input type="checkbox"/>	Hard hats		<input checked="" type="checkbox"/>	Personal flotation	
<input checked="" type="checkbox"/>	Outer gloves		<input checked="" type="checkbox"/>	Respirators		<input checked="" type="checkbox"/>	Boots	
Additional Control Measures Established								
<input checked="" type="checkbox"/>	Decontamination		<input type="checkbox"/>	Illumination		<input type="checkbox"/>	Additional stations established	
<input checked="" type="checkbox"/>	Sanitation		<input type="checkbox"/>	Medical surveillance		<input type="checkbox"/>	Facilities provided	
Work Plan								
<input checked="" type="checkbox"/>	Booming		<input type="checkbox"/>	Excavation		<input type="checkbox"/>	Hot work	
<input checked="" type="checkbox"/>	Skimming		<input checked="" type="checkbox"/>	Heavy equipment		<input type="checkbox"/>	Appropriate permits used	
<input checked="" type="checkbox"/>	Vac trucks		<input checked="" type="checkbox"/>	Sorbent pads				
<input checked="" type="checkbox"/>	Pumping		<input type="checkbox"/>	Patching				
Training								
<input checked="" type="checkbox"/>	Verified site workers trained per local/federal regulatory requirements			Training Requirements				
ICS 208 - Site Safety Plan								
Prepared By Safety Officer, Updated 03/23/2019 13:49 UTC -6:00 PP								
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ICS 208 - Site Safety Plan				Version Name: On Water Recovery Group					
Incident Name: 2nd 80's Fire				Period: Period 2 [03/24/2019 07:00 - 03/25/2019 07:00]					
Organization									
<i>Position</i>		<i>Name</i>		<i>Telephone/Radio</i>		<i>Position</i>			
Incident Commander		Weber, Brent		(225) 806-5136		Safety Officer			
Deputy Incident Commander		Wascome, David		(225) 964-9640		Operations Section Chief			
						Kuhn, Karl			
						713-208-5583			
Emergency Plan									
<input type="checkbox"/> Fire Prevention Plan		<input checked="" type="checkbox"/> Evacuation Plan							
<input type="checkbox"/> Alarm System		<input checked="" type="checkbox"/> First Aid Location							
Notifications									
<i>Facility</i>			<i>Phone</i>		<i>Facility</i>			<i>Phone</i>	
<input type="checkbox"/>	Hospital	Houston Healthcare Southeast	713-359-1440		<input type="checkbox"/>	Fire	Deer Park Fire Department	(281) 478-7281	
<input type="checkbox"/>	Ambulance	CIMA Affiliated Ambulances	CIMA 1		<input type="checkbox"/>	Law Enforcement	Harris County Sheriff	(713) 637-0014	
<input type="checkbox"/>	Air Ambulance	CIMA Affiliated Ambulances	CIMA 1		<input type="checkbox"/>	Emergency Response/Rescue	Deer Park Fire Department	(281) 478-7281	
Initial Briefing									
<input checked="" type="checkbox"/>		Initial safety briefing prepared for each site							
ICS 208 - Site Safety Plan					Prepared By Safety Officer, Updated 03/23/2019 13:49 UTC -6:00 PP				
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ICS 208 - Site Safety Plan				Version Name: Tank Farm Recovery Operations				
Incident Name: 2nd 80's Fire				Period: Period 2 [03/24/2019 07:00 - 03/25/2019 07:00]				
Applies to Site: 1st and 2nd 80's Tank Farm								
Site Characterization								
Water		Land		Weather				
Wave Height		Land Use		Air Temp		76 Fahrenheit		
Speed		0.48 knot (s)		Wind Speed		2 mph		
Direction		NNW		Direction		SE		
Site Hazards								
Yes	No	Hazards	Yes	No	Hazards	Yes	No	
<input type="checkbox"/>	<input checked="" type="checkbox"/>	Boat Safety	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Fire, Explosion, In-situ Burning	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
<input checked="" type="checkbox"/>	<input type="checkbox"/>	Chemical Hazards	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Heat Stress	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
<input type="checkbox"/>	<input checked="" type="checkbox"/>	Cold Stress	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Helicopter Operations	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
<input type="checkbox"/>	<input checked="" type="checkbox"/>	Confined Spaces	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Lifting	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
<input type="checkbox"/>	<input checked="" type="checkbox"/>	Drum Handling	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Motor Vehicles	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
<input checked="" type="checkbox"/>	<input type="checkbox"/>	Equipment Operations	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Noise	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
<input type="checkbox"/>	<input checked="" type="checkbox"/>	Electrical Operations	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Overhead/Buried Utilities	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
<input checked="" type="checkbox"/>	<input type="checkbox"/>	Fatigue	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Plants/Wildlife	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Air Monitoring Limits								
Oxygen Level		Outside 19.5-23.5	Hydrogen Sulfide		10 ppm	Total Hydrocarbons		
LEL		Greater than 10%	Benzene		.5 ppm			
Engineering Controls								
<input type="checkbox"/>	Source of release secured		<input checked="" type="checkbox"/>	Valve(s) closed		<input checked="" type="checkbox"/>	Energy sources locked/tagged out	
<input checked="" type="checkbox"/>	Site secured		<input checked="" type="checkbox"/>	Facility shut down				
Personal Protective Equipment Required								
<input type="checkbox"/>	Impervious suit		<input checked="" type="checkbox"/>	Flame resistant clothing		<input checked="" type="checkbox"/>	Eye protection	
<input checked="" type="checkbox"/>	Inner gloves		<input checked="" type="checkbox"/>	Hard hats		<input type="checkbox"/>	Personal flotation	
<input checked="" type="checkbox"/>	Outer gloves		<input checked="" type="checkbox"/>	Respirators		<input checked="" type="checkbox"/>	Boots	
Additional Control Measures Established								
<input checked="" type="checkbox"/>	Decontamination		<input checked="" type="checkbox"/>	Illumination		<input checked="" type="checkbox"/>	Additional stations established	
<input checked="" type="checkbox"/>	Sanitation		<input checked="" type="checkbox"/>	Medical surveillance		<input checked="" type="checkbox"/>	Facilities provided	
Work Plan								
<input type="checkbox"/>	Booming		<input type="checkbox"/>	Excavation		<input type="checkbox"/>	Hot work	
<input type="checkbox"/>	Skimming		<input checked="" type="checkbox"/>	Heavy equipment		<input type="checkbox"/>	Appropriate permits used	
<input checked="" type="checkbox"/>	Vac trucks		<input checked="" type="checkbox"/>	Sorbent pads				
<input checked="" type="checkbox"/>	Pumping		<input type="checkbox"/>	Patching				
Training								
<input checked="" type="checkbox"/>	Verified site workers trained per local/federal regulatory requirements			Training Requirements		HAZWOPER		
ICS 208 - Site Safety Plan								
Prepared By Safety Officer, Updated 03/22/2019 22:04 UTC -6:00 PP								
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ICS 208 - Site Safety Plan				Version Name: Tank Farm Recovery Operations			
Incident Name: 2nd 80's Fire				Period: Period 2 [03/24/2019 07:00 - 03/25/2019 07:00]			
Organization							
<i>Position</i>		<i>Name</i>		<i>Telephone/Radio</i>		<i>Position</i>	
Incident Commander		Weber, Brent		(225) 806-5136		Operations Section Chief	
Safety Officer		Sterkel, Gary		281-384-9519			
Emergency Plan							
<input checked="" type="checkbox"/>	Fire Prevention Plan			<input checked="" type="checkbox"/>	Evacuation Plan		
<input checked="" type="checkbox"/>	Alarm System			<input checked="" type="checkbox"/>	First Aid Location		
Notifications							
<i>Facility</i>				<i>Phone</i>		<i>Facility</i>	
<input checked="" type="checkbox"/>	Hospital	Houston Healthcare Southeast		713-359-1440		<input checked="" type="checkbox"/>	Fire
<input checked="" type="checkbox"/>	Ambulance	CIMA Affiliated Ambulances		CIMA 1		<input checked="" type="checkbox"/>	Law Enforcement
<input checked="" type="checkbox"/>	Air Ambulance	CIMA Affiliated Ambulances		CIMA 1		<input checked="" type="checkbox"/>	Emergency Response/Rescue
Initial Briefing							
<input type="checkbox"/>	Initial safety briefing prepared for each site						
ICS 208 - Site Safety Plan				Prepared By Safety Officer, Updated 03/22/2019 22:04 UTC -6:00 PP			
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ICS 208 - Site Safety Plan					Version Name: Staging Areas				
Incident Name: 2nd 80's Fire					Period: Period 2 [03/24/2019 07:00 - 03/25/2019 07:00]				
Applies to Site: All Staging Areas									
Site Characterization									
Water			Land			Weather			
Wave Height			Land Use			Air Temp		76 Fahrenheit	
Speed 0.48 knot (s)						Wind Speed		2 mph	
Direction NNW						Direction		SE	
Site Hazards									
Yes	No	Hazards	Yes	No	Hazards	Yes	No	Hazards	
<input type="checkbox"/>	<input checked="" type="checkbox"/>	Boat Safety	<input type="checkbox"/>	<input type="checkbox"/>	Fire, Explosion, In-situ Burning	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Pump Hose	
<input checked="" type="checkbox"/>	<input type="checkbox"/>	Chemical Hazards	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Heat Stress	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Slips, Trips, and Falls	
<input type="checkbox"/>	<input checked="" type="checkbox"/>	Cold Stress	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Helicopter Operations	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Steam and Hot Water	
<input type="checkbox"/>	<input checked="" type="checkbox"/>	Confined Spaces	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Lifting	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Trenching/Excavation	
<input checked="" type="checkbox"/>	<input type="checkbox"/>	Drum Handling	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Motor Vehicles	<input type="checkbox"/>	<input checked="" type="checkbox"/>	UV Radiation	
<input checked="" type="checkbox"/>	<input type="checkbox"/>	Equipment Operations	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Noise	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Visibility	
<input type="checkbox"/>	<input checked="" type="checkbox"/>	Electrical Operations	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Overhead/Buried Utilities	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Weather	
<input checked="" type="checkbox"/>	<input type="checkbox"/>	Fatigue	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Plants/Wildlife	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Work Near Water	
Air Monitoring Limits									
Oxygen Level		Outside 19.5-23.5	Hydrogen Sulfide		10 ppm	Total Hydrocarbons		50 ppm	
LEL		Greater than 10%	Benzene		.5 ppm				
Engineering Controls									
<input checked="" type="checkbox"/>	Source of release secured		<input type="checkbox"/>	Valve(s) closed		<input type="checkbox"/>	Energy sources locked/tagged out		
<input checked="" type="checkbox"/>	Site secured		<input checked="" type="checkbox"/>	Facility shut down					
Personal Protective Equipment Required									
<input type="checkbox"/>	Impervious suit		<input checked="" type="checkbox"/>	Flame resistant clothing		<input checked="" type="checkbox"/>	Eye protection		
<input checked="" type="checkbox"/>	Inner gloves		<input checked="" type="checkbox"/>	Hard hats		<input type="checkbox"/>	Personal flotation		
<input checked="" type="checkbox"/>	Outer gloves		<input checked="" type="checkbox"/>	Respirators		<input checked="" type="checkbox"/>	Boots		
Additional Control Measures Established									
<input checked="" type="checkbox"/>	Decontamination		<input checked="" type="checkbox"/>	Illumination		<input checked="" type="checkbox"/>	Additional stations established		
<input checked="" type="checkbox"/>	Sanitation		<input checked="" type="checkbox"/>	Medical surveillance		<input checked="" type="checkbox"/>	Facilities provided		
Work Plan									
<input type="checkbox"/>	Booming		<input type="checkbox"/>	Excavation		<input type="checkbox"/>	Hot work		
<input type="checkbox"/>	Skimming		<input checked="" type="checkbox"/>	Heavy equipment		<input type="checkbox"/>	Appropriate permits used		
<input type="checkbox"/>	Vac trucks		<input type="checkbox"/>	Sorbent pads					
<input type="checkbox"/>	Pumping		<input type="checkbox"/>	Patching					
Training									
<input checked="" type="checkbox"/>	Verified site workers trained per local/federal regulatory requirements			Training Requirements		HAZWOPER			
ICS 208 - Site Safety Plan					Prepared By Safety Officer, Updated 03/22/2019 23:17 UTC -6:00 PP				
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ICS 208 - Site Safety Plan				Version Name: Staging Areas			
Incident Name: 2nd 80's Fire				Period: Period 2 [03/24/2019 07:00 - 03/25/2019 07:00]			
Organization							
<i>Position</i>		<i>Name</i>		<i>Telephone/Radio</i>		<i>Position</i>	
Incident Commander		Weber, Brent		(225) 806-5136		Operations Section Chief	
Safety Officer		Sterkel, Gary		281-384-9519			
Emergency Plan							
<input checked="" type="checkbox"/>	Fire Prevention Plan			<input checked="" type="checkbox"/>	Evacuation Plan		
<input checked="" type="checkbox"/>	Alarm System			<input checked="" type="checkbox"/>	First Aid Location		
Notifications							
<i>Facility</i>				<i>Phone</i>		<i>Facility</i>	
<input checked="" type="checkbox"/>	Hospital	Houston Healthcare Southeast		713-359-1440		<input checked="" type="checkbox"/>	Fire
<input checked="" type="checkbox"/>	Ambulance	CIMA Affiliated Ambulances		CIMA 1		<input checked="" type="checkbox"/>	Law Enforcement
<input checked="" type="checkbox"/>	Air Ambulance	CIMA Affiliated Ambulances		CIMA 1		<input checked="" type="checkbox"/>	Emergency Response/Rescue
Initial Briefing							
<input type="checkbox"/>	Initial safety briefing prepared for each site						
ICS 208 - Site Safety Plan				Prepared By Safety Officer, Updated 03/22/2019 23:17 UTC -6:00 PP			
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